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DRIVE RESULTS

35 New England Business Center
Suite 180
Andover, Massachusetts 01810
www.woodardcurran.com

T 866.702.6371
T 978.557.8150
F 978.557.7948

WOODARD &CURRAN

September 25, 2009

Ms. Kimberly Tisa, PCB Coordinator
U.S. Environmental Protection Agency Region 1
1 Congress Street, Suite 1100
Boston, Massachusetts 02114-2023

Re: Completion Report
Yale University – Mason Building Room 112
New Haven, CT

Dear Ms. Tisa:

On behalf of Yale University, please find attached a report providing a description of the PCB remediation activities performed within Room 112 of the Mason Building on the Yale University campus in New Haven, Connecticut. This report is being submitted to the meet the requirements pursuant to Recordkeeping and Reporting Condition 19 as it is described in EPA's May 11, 2009 Approval, granted under 40 CFR Part 761.61(a).

The PCB remediation activities commenced on May 29, 2009 and were completed on August 31, 2009.

If you have any comments, questions, or require further information, please do not hesitate to e-mail or call me at the number listed above.

Sincerely,
WOODARD & CURRAN INC.

Jeffrey Hamel, LSP, LEP
Senior Vice President

cc: Brenda Armstrong, Yale University
G. Trombly, CTDEP

COMPLETION REPORT

Yale University
Room 112
Mason Building

1.866.702.6371
35 New England Business Center
Andover, MA

#210954.00
Yale University
New Haven, CT
September 2009

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EXECUTIVE SUMMARY

This report provides a description of the polychlorinated biphenyl (PCB) remediation activities performed within Room 112 of the Mason Building located on Yale University's New Haven, Connecticut campus. Removal of PCB impacted concrete and soil was performed during the remediation activities.

Room 112 of the Mason Building was historically used as a laboratory and housed three diffusion pump systems. As part of ongoing renovations to the Mason Building, the decommissioning and removal of the diffusion pump systems was conducted. Results from samples of oil drained from the diffusion pump systems indicated that the oil contained PCBs at concentrations up to 15,000 ppm. Following system removal, concrete samples were collected from the basement area floor as part of a release assessment in February 2009. Analytical results indicated that PCBs were present at concentrations up to 35.4 mg/kg.

This report provides a description of the PCB remediation activities as they were performed in accordance with the Self-Implementing On-Site Cleanup and Disposal Plan (SIP) submitted to the U.S. Environmental Protection Agency (EPA) on May 1, 2009 (as modified due to structural concerns in an email dated May 29, 2009) and the EPA's Approval for Cleanup and Disposal of PCB Remediation Waste under 40 CFR 761.61(a) dated May 11, 2009.

The PCB remediation activities commenced on May 29, 2009 and were completed on August 31, 2009. Remediation activities were performed by the Mack Group, LLC of Cherry Hill, New Jersey. Sampling activities were performed by Woodard & Curran, Inc. of Andover, Massachusetts. Laboratory analyses of concrete and soil samples were performed by Analytics Laboratory of Portsmouth, New Hampshire.

The PCB remediation activities completed included:

- Removal of impacted concrete to a clean up standard of $\leq$ 1 ppm total PCBs (approximately 10 cubic yards of concrete removed);
- Removal of impacted soils underlying the concrete slab to a clean up standard of clean up standard of $\leq$ 1 ppm total PCBs (approximately 2 cubic yards of soil removed); and
- Collection of verification concrete and soil samples for analyses.

The results of the remediation and verification activities indicated that all activities were completed consistent with the SIP and EPA's Approval and that the high-occupancy clean up level has been achieved for all remaining materials within Room 112 of the Mason Building. As such, no further remediation activities are warranted.

1. INTRODUCTION

Room 112 of the Mason Building, at 9 Hillhouse Avenue on Yale University's New Haven, Connecticut Campus (Figure 1-1), was historically used as a laboratory and housed three diffusion pump systems. Each system consisted of a diffusion pump, a booster pump with a reservoir of oil, and a micro-vac pump system to draw a vacuum on the diffusion pump system. According to Yale personnel, the diffusion pump systems have been out of use for more than 20 years.

Room 112 consists of a first level floor and a basement area accessible through a stairwell in the southwest corner of the room. The first floor level is approximately 33 feet by 26 feet with tile flooring throughout. The basement area is approximately 23.5 feet by 20 feet with a concrete floor. Utility trenches throughout the basement connect condensate blowdown lines from the diffusion pump systems to the building drainage system.

As part of ongoing renovations to the Mason Building, the decommissioning and removal of the diffusion pump systems was conducted (details on the removal and off-site disposal of these systems was provided in the May 1, 2009 SIP Notification submittal). Results from samples of oil drained from the diffusion pump systems prior to removal indicated that the oil contained PCBs at concentrations up to 15,000 ppm. Following system removal, a release assessment was conducted in February 2009. Results of the release assessment concluded that no additional activities were required on the first floor. Following a cleaning of the concrete floor, characterization sampling of the basement floor was conducted following 40 CFR 761.280 procedures utilizing a 1.5 meter sampling grid.

As described in the May 2009 SIP, characterization samples included:

- 25 bulk concrete samples from the floor at a depth of 0-0.5 inches (24 of the 25 samples collected contained PCBs at concentrations > 1 ppm); and
- 3 bulk concrete samples from the floor at a depth of 0.5-1 inches (2 of the 3 samples collected contained PCBs at concentrations > 1 ppm).

Based on these results, a SIP Notification was submitted and subsequently approved by the EPA, and remediation activities were performed.

This completion report provides a description of the project activities and is being submitted to the meet the requirements pursuant to Recordkeeping and Reporting Condition 19 as it is described in EPA's May 11, 2009 Approval, granted under 40 CFR Part 761.61(a) (see Appendix A). The required notifications and certifications per the Approval were submitted to EPA on May 21, 2009.

2. REMEDIATION AND VERIFICATION METHODS

The PCB remediation activities commenced on May 29, 2009 and were completed on August 31, 2009. An overview of the remediation and verification sampling methods is presented in the following sections. Photographs of the activities are presented in Appendix B.

2.1 REMEDIATION OVERVIEW

The clean-up activities were conducted consistent with the SIP and EPA's Approval of the plan under 40 CFR 761.61(a). The overall approach to removal was modified following consultation with a structural engineering firm, Spiegel Zamecnik & Shah Inc., of New Haven, Connecticut. It was determined that portions of the concrete slab extending approximately 4.5 feet inward from the east and west walls of the room contained underlying footings to load-bearing walls. Based on these discussions, and in order to protect the structural integrity of the Mason Building, complete removal of the concrete slab was eliminated as a feasible option. As such, the clean up plan was modified (as documented in a modification request submitted to EPA on May 29, 2009) to require the removal of materials containing total PCB concentrations greater than 1 ppm as opposed to complete slab removal.

Due to the structural concerns raised and based on characterization data that indicated PCB impacts above 1 ppm were present in concrete to depths of at least 0.5-1.0 inches, the initial remediation of the concrete floor consisted of the removal of four inches of concrete across the entire basement area. Following the initial removal, additional removal of concrete and soil was conducted based on the results of verification sampling. Concrete removal was conducted using a jack hammer and hand tools. Impacted soils were removed with hand tools.

The remediation activities included the following:

- Removal of concrete above the clean up level of ≤ 1 ppm total PCBs;
- Complete removal of all three microvac pump concrete bases;
- Removal of soil above the clean up level of ≤ 1 ppm total PCBs;
- Collection of verification samples for analyses following removal; and
- Restoration of the basement area.

2.2 SITE PREPARATION AND CONTROLS

Prior to initiating the remediation activities, the following site controls were implemented:

- A Health & Safety Plan was developed specific to the work activities. All activities conducted followed applicable Federal and State regulations, including but not limited to OSHA regulations, respiratory protection, personal protective equipment (PPE), etc.;
- Access to the basement area was limited to using the basement level door. Access via the stairwell was prevented through securing the stairway with polyethylene sheeting;
- Walls and ceilings of the basement area were covered with polyethylene sheeting to prevent spread of impacted concrete dust to these surfaces and the entire work zone was placed under negative air pressure with a HEPA filtered exhaust fan to the outdoors;
- Areas previously decontaminated were subsequently covered with polyethylene sheeting to prevent potential re-contamination; and
- The basement level access route was covered in polyethylene sheeting to prevent the spread of impacted concrete dust out of the basement area.

2.3 SAMPLE COLLECTION AND ANALYSIS PROCEDURES

Verification samples were collected in accordance with Subpart O requirements. Concrete sampling was conducted in accordance with the USEPA Region I *Draft Standard Operating Procedure for Sampling Concrete in the Field* (December 1997). At each location concrete samples were collected from 0 to 0.5 inches below the remaining concrete surfaces. Verification soil samples were collected from 0-3 inches below the surface of the remaining soils using a hand trowel. Sampling equipment was decontaminated prior to and between each sampling location with a non-phosphate washing detergent/water solution followed by a water rinse.

All samples were logged in the project field book and on a standard Chain-of-Custody (COC), and stored on ice for delivery to the laboratory. Samples were submitted to Analytics Environmental Laboratory in Portsmouth, New Hampshire, extracted using USEPA Method 3540C (Soxhlet Extraction) and analyzed for PCBs using USEPA Method 8082. Complete copies of the analytical laboratory reports are included in Appendix C.

2.4 INITIAL REMOVAL – CONCRETE

The upper four inches of concrete (approximately 6.3 cubic yards (yds^3)) were removed across the entire basement area beginning on May 29, 2009. Following concrete removal, verification samples were collected following Subpart O sampling procedures on a five foot grid. During verification sampling it was noted that the concrete within the microvac pump bases appeared to be less competent and more porous than other portions of the concrete slab. The sample locations and grid layout are presented on Figure 2-1. It is noted that samples collected from the grid points at the edges of the room were off set so as to not collect all samples along this line from locations within the former utility trenches.

Analytical results from the verification sampling indicated that the concentrations of PCBs exceeded 1.0 mg/kg in six of the samples. All six of the concrete samples with concentrations greater than 1 mg/kg were collected in the vicinity of the microvac pump bases. A summary of the analytical results is presented on Table 2-1. Based on these results additional concrete removal was required from three areas (identified as Areas A, B, and C on Figure 2-1) in the vicinity of the microvac pump bases.

2.5 SECOND ROUND OF REMOVAL – CONCRETE

Following receipt of the initial verification sample results, additional removal of approximately 1.1 yds^3 of impacted concrete was conducted on June 8 and 9, 2009. Prior to removal, a structural engineer was consulted to determine whether or not the required removal would potentially raise structural concerns. Based on the observed total PCB concentrations in the initial verification results, an additional two inches of concrete were removed from Areas A and B and an additional four inches were removed from Area C. The additional four inches of removal from within Area C resulted in portions of the slab being completely removed exposing the underlying sub-slab soils.

On June 10, 2009, seven verification concrete samples were collected as described in Section 2.3 above. The sample locations are presented on Figure 2-2. Analytical results are presented in Table 2-1 and summarized below:

Area A: Two of the three samples collected contained PCBs at concentrations below 1 mg/kg (CC01A and CC03A at <0.033 and 0.119 mg/kg, respectively). The third sample, CC02A, collected from within the limits of microvac pump base #2 contained a total PCB concentration of 160 mg/kg.

Area B: One of the two samples collected contained PCBs at a concentration below 1 mg/kg (CC01B at 0.112 mg/kg). The second sample, CC02B, collected from within microvac pump base #3, contained a total PCB concentration of 7.26 mg/kg.

Area C: Analytical results from the two concrete samples indicated that total PCB concentrations were >1 mg/kg (5.41 and 72.1 mg/kg). Both of the verification samples from within Area C were collected from the microvac pump base #1.

Based on these results additional concrete removal was determined to be required. Prior to determining the extent of the concrete removal, additional samples were collected in Areas B and C on June 19, 2009. One concrete sample from both Area B and Area C was collected from concrete outside the limits of the associated microvac pump bases. This was done to determine if the observed PCB impacts were limited to the pump bases as indicated by the existing data. In addition, one sample was collected from exposed soil within Area C to determine if PCB impacts were present in sub-slab soils. The locations of the samples are depicted on Figure 2-2 and the results summarized on Table 2-1 and Table 2-2 (soil).

Analytical results from the additional sampling indicated that the concentrations of PCBs in concrete adjacent to the microvac pump bases in Areas B and C were 0.135 and 0.024 mg/kg. Analytical results from the soil sample collected from the sub-slab soils in Area C indicated that PCBs were present at a concentration of 2.66 mg/kg.

2.6 THIRD ROUND OF REMOVAL – CONCRETE AND SOIL

The extent of additional removal to achieve the clean up goal of ≤1 mg/kg was evaluated for both concrete and soil media and discussed with the structural engineer to determine potential impacts to the structural integrity of the building. It was determined that complete removal of all three microvac pump bases would not impact the building structure. Limited soil removal from Area C was also determined to be feasible provided that it proceeded in a sloped manner away from the bottom of the southern building footing.

Removal of the three microvac pump bases and soil from within Area C was completed on July 14, 2009. Each of the three microvac pump bases were completely removed for a total of approximately 2.7 yds^3 of concrete. Within Area C, soils directly underneath the former microvac pump base were removed to a maximum depth of nine inches below the former pump base. Outside the microvac pump base, one foot of soil was removed. Approximately 1.6 yds^3 of soil were removed from Area C. Soil removal was not conducted in Areas A or B.

Verification soil samples were collected from remaining soils in each of the three areas on July 15, 2009. Verification soil samples were collected in accordance with Subpart O sampling procedures as described above. The locations of the soil samples collected are presented on Figure 2-3 and the results summarized on Table 2-2.

Analytical results indicate that the concentrations of total PCBs were below the clean up level of ≤1 ppm in four of the five samples. The concentration of total PCBs in soil sample SS002, one of the two soil samples collected from Area A, was 36.8 mg/kg.

Based on these results, additional soil removal from Area A was required to meet the clean up goal of ≤ 1 ppm.

2.7 FINAL ROUND OF REMOVAL – SOIL

Based on the analytical results, an additional six inches of soil were removed from beneath the former microvac pump base #2 (Area A) as depicted on Figure 2-4. Approximately 0.33 yds^3 of soil were removed on July 27, 2009. On July 30, 2009, one verification soil sample was collected from within the removal area at a location offset from the previous soil sample location.

Analytical results indicate that the concentration of total PCBs in the sample was 0.555 mg/kg. Verification soil sample results are summarized on Table 2-2 and presented on Figure 2-4.

Based on these results, no additional removal of materials was required to meet the clean up goal of ≤ 1 ppm.

2.8 DATA USABILITY ASSESSMENT

Analytical data generated during remediation activities were validated by Data Check, Inc. of New Durham, New Hampshire according to a modified Tier II validation procedure. Results of the data validation indicated that all data were useable for the intended purposes.

A summary of the data validation is provided in Appendix D. A summary of the data usability assessment is provided below.

In addition to the primary samples, two duplicate samples and two field equipment blanks were collected and submitted to the laboratory as part of the QA/QC procedures associated with the sample collection. The results of the duplicate samples in comparison to their associated primary samples indicated that the relative percent differences (RPD) were within the limits allowed by data acceptance criteria for one of the two duplicate samples. Results of the second duplicate sample, as compared to the associated primary sample, were outside the limits of the data acceptance criteria. Results from the individual sample column results were also used to calculate RPDs. Results of this assessment indicated that the RPD between sample column results for one primary sample exceeded the acceptance criteria. Total PCB concentrations for the two samples were qualified "J" due to exceeding the relative percent difference (RPD) requirements between either the primary and field duplicate sample results or the individual sample column results.

No analytes were detected in the two aqueous field equipment blank samples, indicating that no interferences were introduced during sample collection.

Consistent procedures and laboratory analysis of the data were achieved. Sample containers were packed on ice and were accompanied by complete chain of custody forms from the time of sample collection until laboratory delivery. All samples were analyzed within the allowable holding time for their respective analyses. No analytes were detected in the laboratory batch blank analysis, indicating that there were no interferences introduced at the laboratory during sample analysis. All quality control criteria for initial calibration and calibration verification were within acceptable limits.

Accuracy of the analytical data was assessed by reviewing the PCB matrix spike / matrix spike duplicate (MS/MSD) analyses performed by the laboratory on select samples. All MS/MSD analyses met acceptance criteria for relative percent difference with two exceptions. However, no qualifications were applied to the data based on the dilution factors associated with the specific samples.

The data packages were reviewed to ensure that all sample and associated quality assurance results were available. The completeness review indicated that all collected samples were analyzed and all quality control results were available to complete the data validation process. No data was rejected based on data validation.

The results of this data usability assessment indicate that the data is of sufficient quality for use in rendering and opinion on site conditions.

2.9 WASTE STORAGE AND DISPOSAL

Material generated during remediation activities were managed in accordance with the Approval under 40 CFR 761. Following removal, concrete and soil were transported to lined, covered, and marked roll-offs staged outside the building. Polyethylene sheeting was placed on the floor along the route from the remediation area to the roll-offs. Materials were transported in wheeled carts along the transport route and transferred into the roll-offs. Approximately 12 yards of concrete and soil generated were transported off-site on two separate events, June 18, 2009 and August 3, 2009. This material was sampled in accordance with 40 CFR 761.61 Subpart O requirements prior to removal and disposed of as >50 ppm PCBs.

Concrete and soil were transported off-site under manifest for disposal at the Chemical Waste Management facility located in Model City, New York. Polyethylene sheeting, containment materials, and PPE were sampled and transported off-site under manifest to Pollution Control Industries of East Chicago, Indiana with subsequent disposal to the River Bend Prairie Landfill in Dolton, Illinois. Copies of the waste manifests and certificates of disposal are provided in Appendix E.

2.10 SITE RESTORATION

In accordance with Section 3.4 of the plan, a new concrete floor was poured in the basement area of Room 112. This activity was completed on August 31, 2009.

Table 2-1
Summary of Concrete Verification Sample Results

Yale Mason Building Room 112
New Haven, Connecticut

Sample ID	Date	Sample Depth[1]	Total PCBs (mg/kg)
Initial Verification Samples			
YMB-CS-CC01	6/1/09	0-0.5	**4.43** [2]
YMB-CS-CC02	6/1/09	0-0.5	**15.2** [2]
YMB-CS-CC03	6/1/09	0-0.5	0.058
YMB-CS-CC04	6/1/09	0-0.5	0.068
YMB-CS-CC05	6/1/09	0-0.5	0.031 J
YMB-CS-CC06	6/1/09	0-0.5	0.318
YMB-CS-CC07	6/1/09	4-4.5	**1.34** [2]
YMB-CS-CC08	6/1/09	4-4.5	0.035 J
YMB-CS-CC09	6/1/09	4-4.5	0.274
YMB-CS-CC10	6/1/09	4-4.5	0.311
YMB-CS-CC11	6/1/09	4-4.5	0.386
YMB-CS-CC12	6/1/09	4-4.5	0.025 J
YMB-CS-CC13	6/1/09	4-4.5	0.047
YMB-CS-CC14	6/1/09	4-4.5	0.020 J
YMB-CS-CC15	6/1/09	4-4.5	0.049
YMB-CS-CC16	6/1/09	4-4.5	0.090
YMB-CS-CC17	6/1/09	4-4.5	0.045
YMB-CS-CC18	6/1/09	4-4.5	**2.18** [2]
YMB-CS-CC19	6/1/09	4-4.5	**1.28** [2] **J**
YMB-CS-CC20	6/1/09	4-4.5	0.163
YMB-CS-CC21	6/1/09	4-4.5	0.062
YMB-CS-CC22	6/1/09	4-4.5	0.208
YMB-CS-CC23	6/1/09	4-4.5	**1.56** [2]
YMB-CS-CC24	6/1/09	4-4.5	0.209
YMB-CS-CC25	6/1/09	4-4.5	0.115
Second Round Verification Samples			
YMB-CS-CC01A	6/10/2009	6-6.5	<0.033
YMB-CS-CC02A	6/10/2009	6-6.5	**160** [2]
YMB-CS-CC03A	6/10/2009	6-6.5	0.119
YMB-CS-CC01B	6/10/2009	6-6.5	0.112
YMB-CS-CC02B	6/10/2009	6-6.5	**7.26** [2]
YMB-CS-CC01C	6/10/2009	8-8.5	**72.1** [2] **J**
YMB-CS-CC02C	6/10/09	8-8.5	**5.41** [2]
YMB-VS-CC026	6/19/09	8-8.5	0.135
YMB-VS-CC027	6/19/09	6-6.5	0.024 J

Notes:
1. Sample depth in inches below top of original slab.
2. Impacted concrete removed as part of additional removal actions. Concrete represented by the sample is no longer present at the site.
J: Estimated concentrations
Results in bold and shaded indicate concentrations >1 mg/kg.
All samples extracted by Soxhlet Method 3540C and analyzed for PCBs by USEPA Method 8082.
All PCB detections were reported as Aroclor 1254; no other Aroclors were reported.

Table 2-2
Summary of Soil Verification Sample Results

Yale Mason Building Room 112
New Haven, Connecticut

Removal Area	Verification Sample ID	Date	Sample Depth[1]	Total PCBs (mg/kg)
A	YMB-VS-SS002	7/15/09	0-3	**36.8** [2]
	YMB-VS-SS006	7/15/09	0-3	0.040
	YMB-VS-CC101	7/30/09	6-9	0.555
B	YMB-VS-SS005	7/15/09	0-3	0.704
C	YMB-VS-SS001	6/19/09	0-3	**2.66** [2]
	YMB-VS-SS003	7/15/09	0-3	0.067
	YMB-VS-SS004	7/15/09	0-3	<0.033

Notes:
1. Sample depth in inches below bottom of slab.
2. Impacted soil removed as part of additional removal actions. Soil represented by the sample is no longer present at the site.
Results in bold and shaded indicate concentrations >1 mg/kg.
All samples extracted by Soxhlet Method 3540C and analyzed for PCBs by USEPA Method 8082.
All PCB detections were reported as Aroclor 1254; no other Aroclors were reported.

3. SUMMARY AND CONCLUSIONS

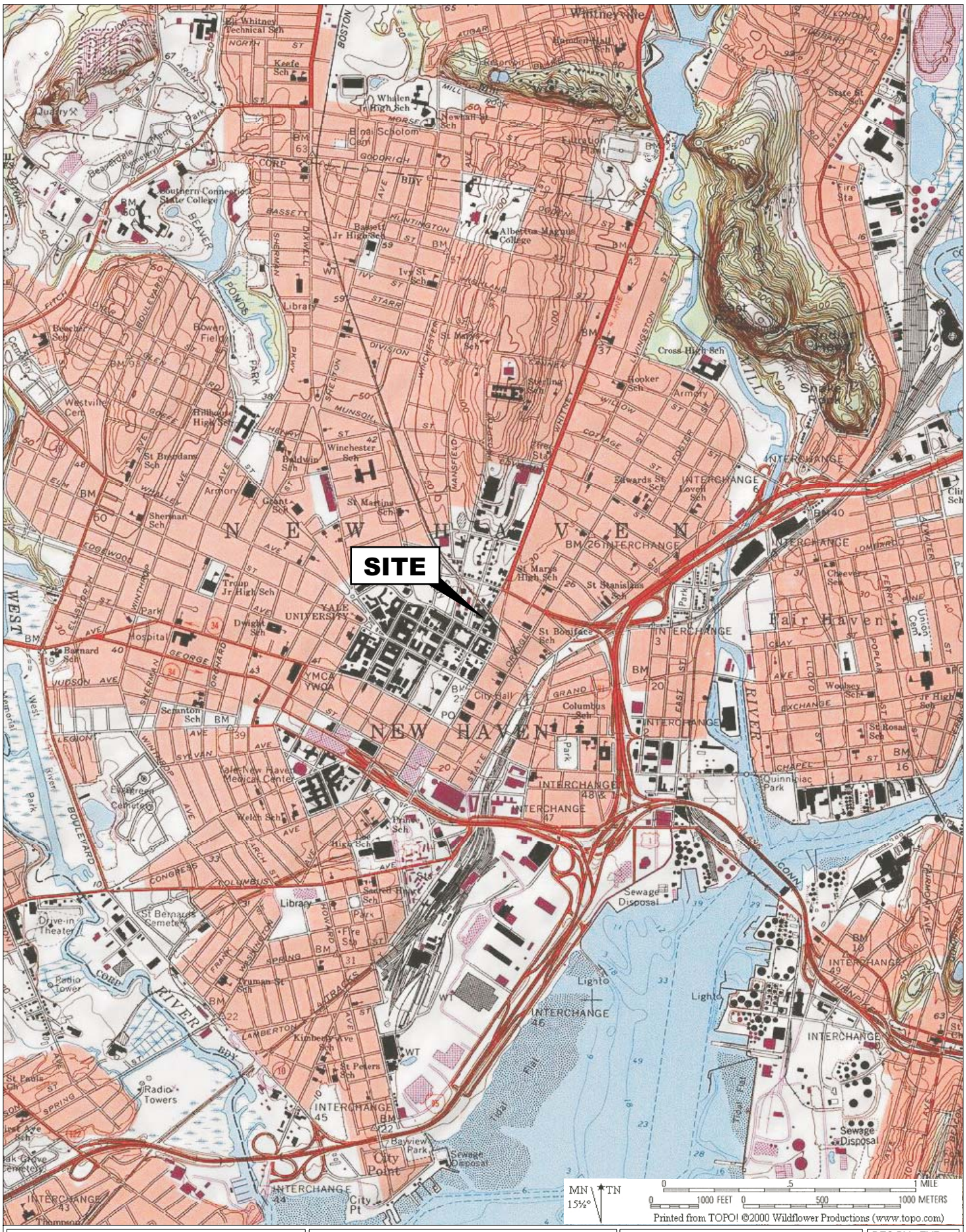
PCB remediation activities were performed in the basement area of Room 112 at the Mason Building on the Yale University campus in New Haven, Connecticut. Removal and decontamination of PCB affected media was conducted in the basement area from May 29, 2009 through August 31, 2009. These activities were completed in accordance with the May 1, 2009 SIP and the EPA's Approval for Cleanup and Disposal of PCB Remediation Waste under 40 CFR 761.61(a) dated May 11, 2009.

Remediation activities were performed by the Mack Group, L.L.C., with engineering oversight and verification sampling conducted by Woodard & Curran. A total of 20.2 tons of PCB-contaminated concrete and soil were removed and shipped off-site for disposal at the Chemical Waste Management facility located in Model City, New York. A total of two 55-gallon drums of polyethylene sheeting, containment materials, and PPE were shipped to Pollution Control Industries of East Chicago, Indiana with final disposal at the River Bend Prairie Landfill in Dolton, Illinois.

Verification sampling was conducted following the remediation activities. Results indicate that all remaining materials (concrete and soil) meet the clean up goal of $\leq$ 1 ppm total PCBs.

Final room restoration was completed on August 31, 2009 with the pouring of a new floor over the entire basement area.

Based on the results of the remedial and verification activities, no additional remediation is warranted.



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Andover, MA 01810
COMMITMENT & INTEGRITY DRIVE RESULTS

YALE
MASON BUILDING ROOM 112
NEW HAVEN, CONNECTICUT

SCALE: AS NOTED	JOB NO.: 210954
DATE: SEPTEMBER 2009	FILE: Figure 1-1.cnv

SITE LOCUS

DES.BY: EVR	
DR.BY: EVR	
CK.BY: GJF	
1-1	

LEGEND

1.5 METER VERIFICATION SAMPLING GRID

CC01 (4.43) INITIAL VERIFICATION CONCRETE SAMPLE LOCATION AND IDENTIFIER. TOTAL PCB CONCENTRATION IN mg/kg IN PARENTHESIS

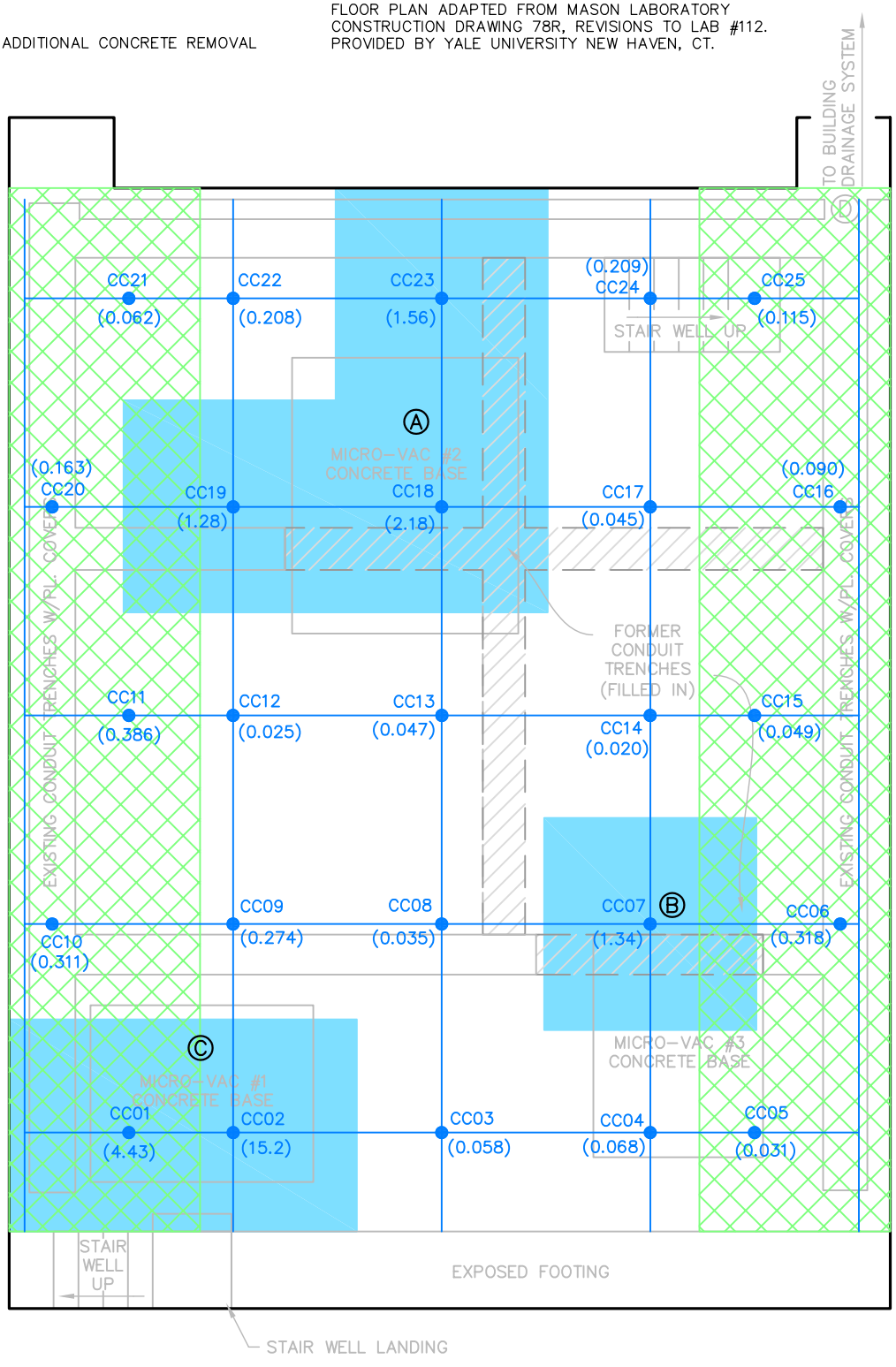
AREA OF STRUCTURAL CONCERN

Ⓑ AREA FOR ADDITIONAL CONCRETE REMOVAL

0 4 8

SCALE IN FEET

NOTE:
FLOOR PLAN ADAPTED FROM MASON LABORATORY CONSTRUCTION DRAWING 78R, REVISIONS TO LAB #112. PROVIDED BY YALE UNIVERSITY NEW HAVEN, CT.



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INITIAL VERIFICATION SAMPLE LOCATIONS

DESIGNED BY: GJF	CHECKED BY: JAH
DRAWN BY: EVR	Figure 2-1.dwg

YALE
MASON BUILDING ROOM 112
NEW HAVEN, CONNECTICUT

COMPLETION REPORT

JOB NO:	210954
DATE:	SEPT. 2009
SCALE:	AS NOTED

FIGURE 2-1

LEGEND

AREA OF STRUCTURAL CONCERN

Ⓑ AREA OF ADDITIONAL CONCRETE REMOVAL

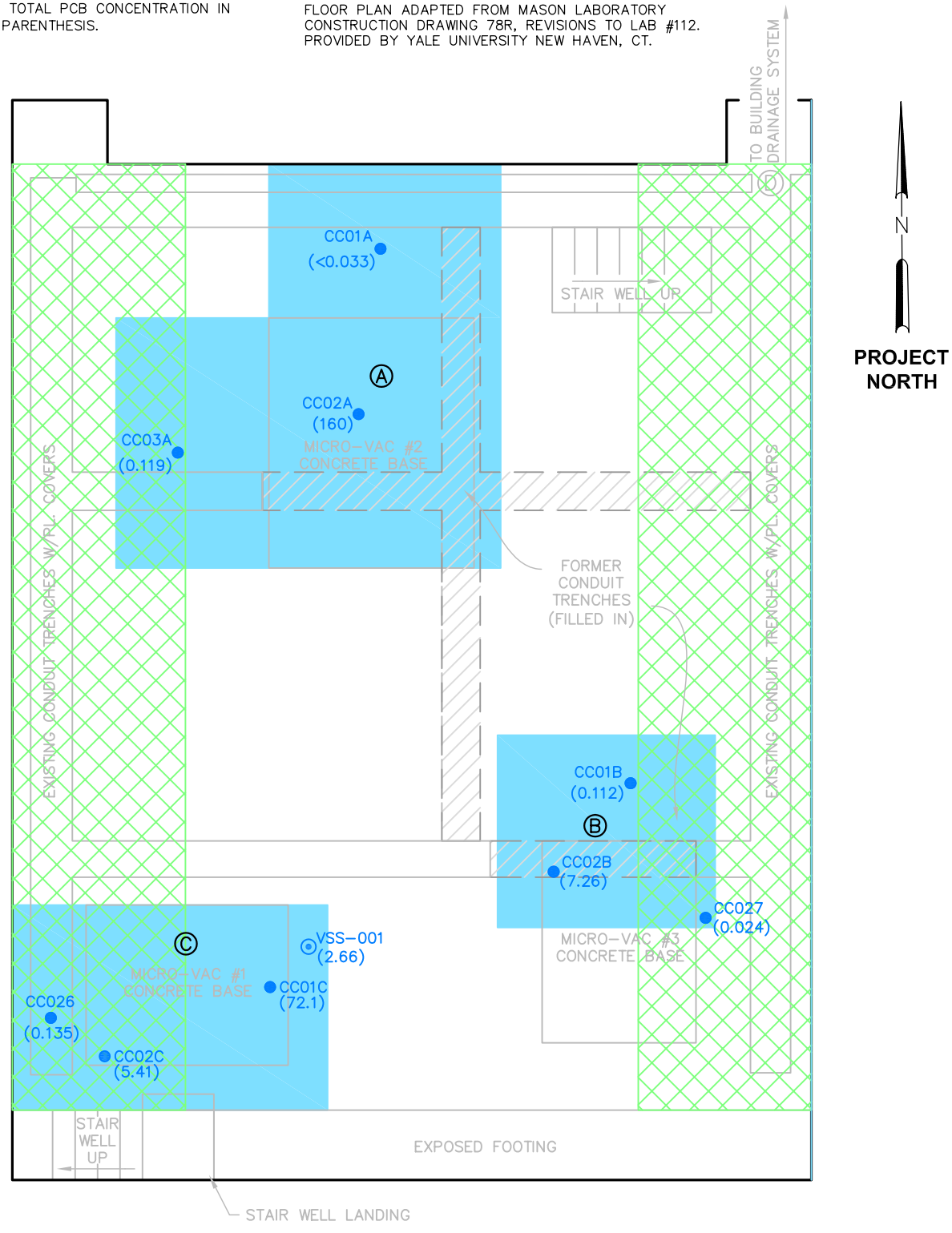
CC01A (<0.033) VERIFICATION CONCRETE SAMPLE LOCATION AND IDENTIFIER. TOTAL PCB CONCENTRATION IN mg/kg IN PARENTHESIS.

VSS-001 (2.66) VERIFICATION SOIL SAMPLE LOCATION AND IDENTIFIER. TOTAL PCB CONCENTRATION IN mg/kg IN PARENTHESIS.

0 4 8

SCALE IN FEET

NOTE:
FLOOR PLAN ADAPTED FROM MASON LABORATORY CONSTRUCTION DRAWING 78R, REVISIONS TO LAB #112. PROVIDED BY YALE UNIVERSITY NEW HAVEN, CT.



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SECOND ROUND VERIFICATION SAMPLE LOCATIONS

DESIGNED BY: GJF	CHECKED BY: JAH
DRAWN BY: EVR	Figure 2-2.dwg

YALE
MASON BUILDING ROOM 112
NEW HAVEN, CONNECTICUT

COMPLETION REPORT

JOB NO:	210954
DATE:	SEPT. 2009
SCALE:	AS NOTED

FIGURE 2-2

LEGEND

AREA OF STRUCTURAL CONCERN

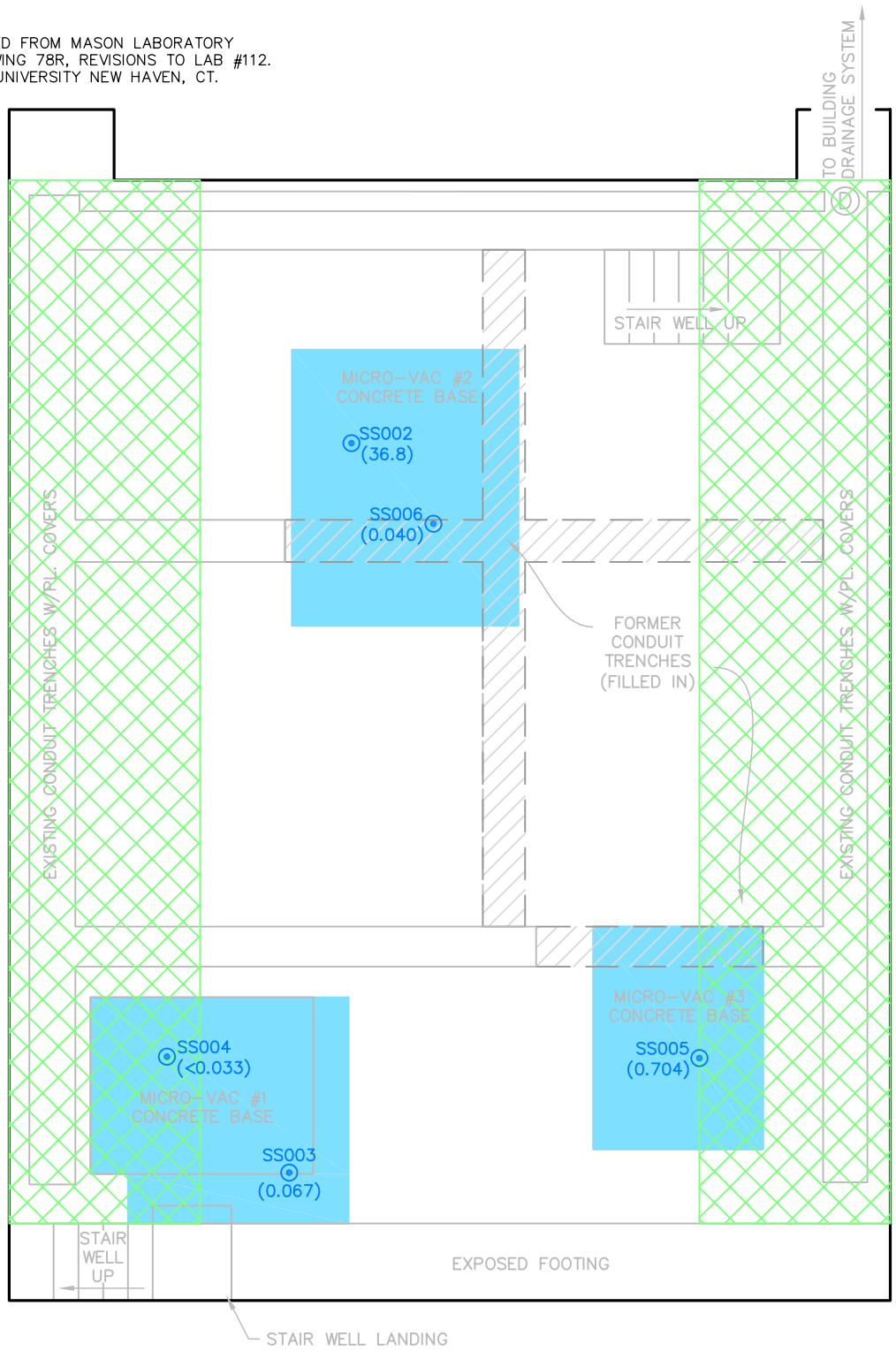
AREA OF COMPLETE SLAB REMOVAL OR SOIL REMOVAL

SS001 (36.8) VERIFICATION SOIL SAMPLE LOCATION AND IDENTIFIER. TOTAL PCB CONCENTRATION IN mg/kg IN PARENTHESIS.

0 4 8

SCALE IN FEET

NOTE:
FLOOR PLAN ADAPTED FROM MASON LABORATORY CONSTRUCTION DRAWING 78R, REVISIONS TO LAB #112. PROVIDED BY YALE UNIVERSITY NEW HAVEN, CT.



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THIRD ROUND VERIFICATION SAMPLE LOCATIONS

DESIGNED BY: GJF	CHECKED BY: JAH
DRAWN BY: EVR	Figure 2-3.dwg

YALE
MASON BUILDING ROOM 112
NEW HAVEN, CONNECTICUT

COMPLETION REPORT

JOB NO:	210954
DATE:	SEPT. 2009
SCALE:	AS NOTED

FIGURE 2-3

LEGEND

AREA OF STRUCTURAL CONCERN

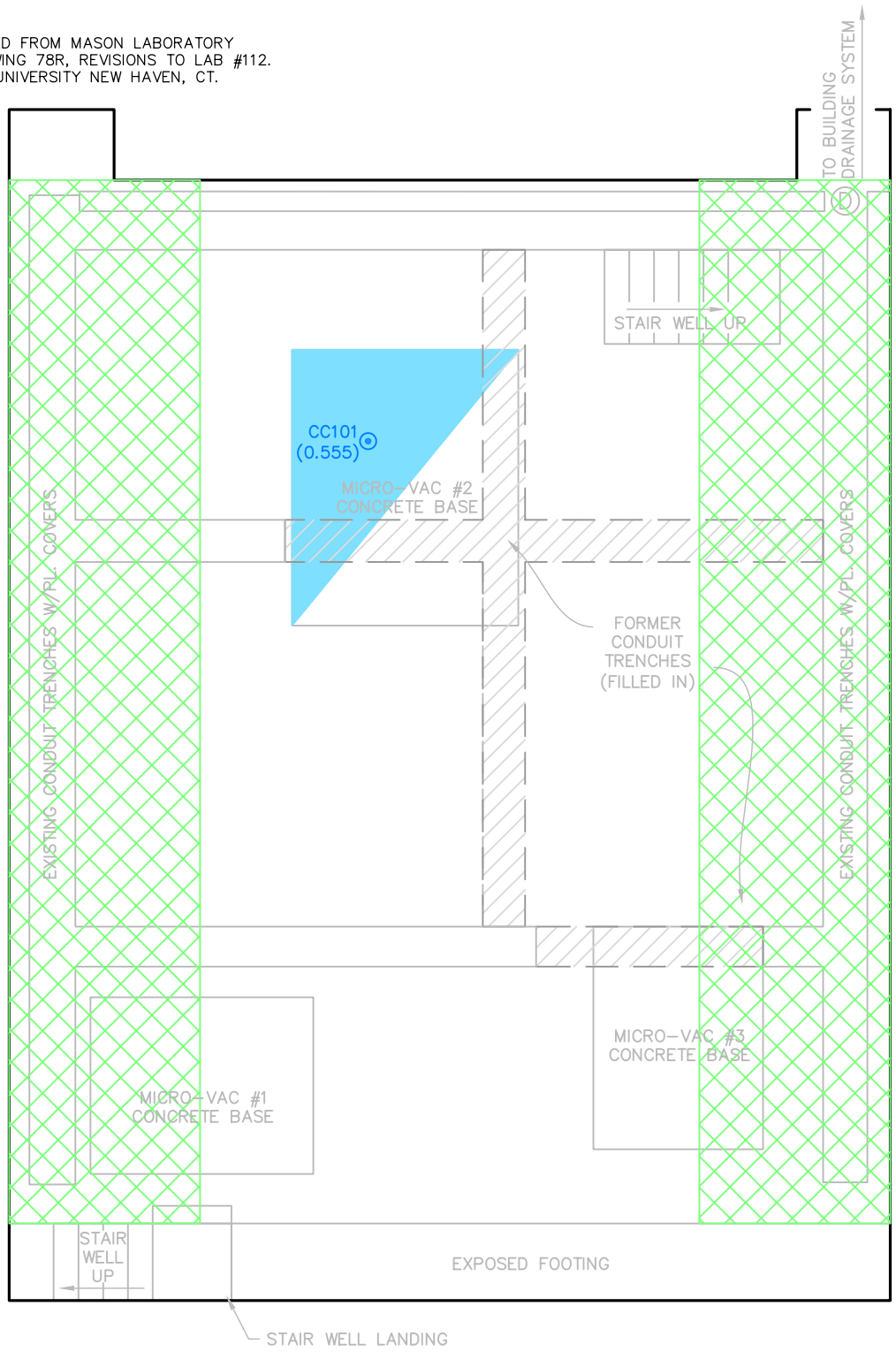
AREA OF ADDITIONAL SOIL REMOVAL

CC101 (0.555) VERIFICATION SOIL SAMPLE LOCATION AND IDENTIFIER. TOTAL PCB CONCENTRATION IN mg/kg IN PARENTHESIS.

0 4 8

SCALE IN FEET

NOTE:
FLOOR PLAN ADAPTED FROM MASON LABORATORY CONSTRUCTION DRAWING 78R, REVISIONS TO LAB #112. PROVIDED BY YALE UNIVERSITY NEW HAVEN, CT.



N

PROJECT NORTH

WOODARD &CURRAN
35 NEW ENGLAND BUSINESS CENTER
ANDOVER, MASSACHUSETTS 01810
866.702.6371 | www.woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS

FINAL ROUND VERIFICATION SAMPLE LOCATIONS

DESIGNED BY: GJF	CHECKED BY: JAH
DRAWN BY: EVR	Figure 2-4.dwg

YALE
MASON BUILDING ROOM 112
NEW HAVEN, CONNECTICUT

COMPLETION REPORT

JOB NO:	210954
DATE:	SEPT. 2009
SCALE:	AS NOTED

FIGURE 2-4

APPENDIX A: USEPA APPROVAL LETTER

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
1 CONGRESS STREET, SUITE 1100, BOSTON, MASSACHUSETTS 02114-2023

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

MAY 11 2009

Mr. John H. Bollier
Associate Vice President for Facilities
Yale University
Office of Environmental Health & Safety
135 College Street
New Haven, Connecticut 06510

Re: Approval for Cleanup and Disposal of *PCB Remediation Waste* under 40 CFR § 761.61(a)

Dear Mr. Bollier:

This is in response to your Notification[1] of a proposed plan to address PCB-contaminated materials located in Room 112 of the Mason Building located on the Yale University (Yale) campus. Specifically, PCB-contaminated concrete that exceeds the allowable PCB levels for unrestricted use under 40 CFR § 761.61(a) is present in the Room 112 basement (the Site). Yale has requested an approval to cleanup and dispose of the PCB-contaminated concrete (and potentially PCB-contaminated sub-slab soils) under 40 CFR § 761.61(a).

The proposed cleanup and disposal of the PCB-contaminated materials (i.e. concrete and potentially sub-slab soils) from the Site meet the self-implementing notification requirements under 40 CFR § 761.61(a)(3). As such, EPA may approve Yale's Notification under § 761.61(a). Yale may proceed with the PCB cleanup and off-site disposal under 40 CFR § 761.61(a) and its Notification, subject to this Approval and the conditions of Attachment 1.

This Approval only addresses cleanup and disposal of the *PCB remediation waste* identified in the Notification, specifically PCB-contaminated concrete and sub-slab soils located in the Room 112 basement.

---

[1] This information was submitted by Woodard & Curran on your behalf to satisfy the notification requirement under 40 CFR § 761.61(a). Information was provided dated May 1, 2009 (with attached cleanup and disposal plan dated April 2009) and May 8, 2009 (via e-mail). These submittals will be referred to as the "Notification."

Questions and correspondence regarding this Approval should be directed to:

Kimberly N. Tisa, PCB Coordinator
United States Environmental Protection Agency
1 Congress Street, Suite 1100 - CPT
Boston, Massachusetts 02114-2023
Telephone: (617) 918-1527
Facsimile: (617) 918-0527

EPA shall not consider this project complete until it has received all submittals required under this Approval.

Sincerely,

Mary Sanderson

Mary Sanderson, Chief
Remediation & Restoration II Branch

cc: J. Hamel, Woodard & Curran
G. Trombly, CT DEP
File

Attachment 1

ATTACHMENT 1: PCB CLEANUP AND DISPOSAL APPROVAL CONDITIONS YALE UNIVERSITY – MASON BUILDING ROOM 112 BASEMENT NEW HAVEN, CONNECTICUT

GENERAL CONDITIONS

1. This Approval is granted under the authority of Section 6(e) of the Toxic Substances Control Act (TSCA), 15 U.S.C. § 2605(e), and the PCB regulations at 40 CFR Part 761, and applies solely to the *PCB remediation waste* at the Site and identified in the Notification, specifically the PCB-contaminated concrete and potentially PCB-contaminated sub-slab soils located in the Room 112 basement of the Mason Building.

2. Yale University (Yale) shall conduct on-site activities in accordance with the conditions of this Approval and with the Notification.

3. In the event that the activities described in the Notification differ from the conditions specified in this Approval, the conditions of this Approval shall govern.

4. The terms and abbreviations used herein shall have the meanings as defined in 40 CFR § 761.3 unless otherwise defined within this Approval.

5. Yale must comply with all applicable federal, state and local regulations in the storage, handling, and disposal of all PCB wastes, including PCBs, PCB Items and decontamination wastes generated under this Approval. In the event of a new spill during response actions, Yale shall contact EPA within 24 hours for direction on sampling and disposal requirements.

6. Yale is responsible for the actions of all officers, employees, agents, contractors, subcontractors, and others who are involved in activities conducted under this Approval. If at any time Yale has or receives information indicating that Yale or any other person has failed, or may have failed, to comply with any provision of this Approval, it must report the information to EPA in writing within 24 hours of having or receiving the information.

7. This Approval does not constitute a determination by EPA that the transporters or disposal facilities selected by Yale are authorized to conduct the activities set forth in the Notification. Yale is responsible for ensuring that its selected transporters and disposal facilities are authorized to conduct these activities in accordance with all applicable federal, state and local statutes and regulations.

8. This Approval does not: 1) waive or compromise EPA's enforcement and regulatory authority; 2) release Yale from compliance with any applicable requirements of federal, state or local law; or, 3) release Yale from liability for, or otherwise resolve, any violations of federal, state or local law.

NOTIFICATION CONDITIONS

9. This Approval may be revoked if the EPA does not receive written notification from Yale of its acceptance of the conditions of this Approval within 10 business days of receipt.

10. Yale shall notify EPA in writing of the scheduled date of commencement of on-site activities at least 3 business days prior to conducting any work under this Approval.

REMEDIAL and DISPOSAL CONDITIONS

11. Prior to initiating onsite work under this Approval, Yale shall submit the following information:

    a. A certification signed by the selected analytical laboratory, stating that the laboratory has read and understands the analytical and quality assurance requirements specified in the Notification and in this Approval; and,

    b. A certification signed by its selected remediation contractor, stating that the contractor has read and understands the Notification, and agrees to abide by the conditions specified in this Approval.

12. The cleanup level for *PCB remediation waste* at the Site shall be less than or equal to 1 part per million ($\leq$ 1 ppm)

    a. *Porous surface* samples (i.e. concrete) shall be collected according to EPA's *draft* Standard Operating Procedure For Sampling Concrete in the Field, dated 12/01/97 at a maximum depth interval of 0.5 inches and in accordance with the frequency requirements at Subpart O.

    b. Bulk *PCB remediation waste* (i.e. soil) samples shall be collected on a bulk basis (e.g. mg/Kg) and reported on a dry-weight basis. Verification sampling shall comply with Subpart O; samples shall be collected from both excavation bottoms and sidewalls, as applicable.

    c. Chemical extraction for PCBs shall be conducted using Method 3500B/3540C of SW-846 for solid matrices, including wipes, and Method 3500B/3510C of SW-846 for aqueous matrices; and, chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another extraction or analytical method(s) is validated according to Subpart Q.

13. All PCB waste (regardless of concentration) generated as a result of the activities described in the Notification, excluding any decontaminated materials, shall be marked in accordance with § 761.40; stored in a manner prescribed in § 761.65; and, disposed of in accordance with 40 CFR § 761.61(a)(5), unless otherwise specified below:

    a. Non-liquid cleaning materials, such as PPE and similar materials resulting from decontamination, shall be disposed of in accordance with § 761.79(g)(6).

    b. Moveable equipment, tools, and sampling equipment shall be decontaminated in accordance with either § 761.79(b)(3)(i)(A), § 761.79(b)(3)(ii)(A), or § 761.79(c)(2).

    c. PCB-contaminated water generated during decontamination or dewatering shall be decontaminated in accordance with § 761.79(b)(1) or disposed of under § 761.70.

INSPECTION, MODIFICATION AND REVOCATION CONDITIONS

14. Yale shall allow any authorized representative of the Administrator of the EPA to inspect the Site and to inspect records and take samples as may be necessary to determine compliance with the PCB regulations and this Approval. Any refusal by Yale to allow such an inspection (as authorized by Section 11 of TSCA) shall be grounds for revocation of this Approval.

15. Any proposed modification(s) in the plan, specifications, or information in the Notification must be submitted to EPA no less than 14 calendar days prior to the proposed implementation of the change. Such proposed modifications will be subject to the procedures of 40 CFR §761.61(a)(3)(ii).

16. Any departure from the conditions of this Approval without prior, written authorization from the EPA may result in the revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.

17. Any misrepresentation or omission of any material fact in the Notification or in any records or reports may result in the EPA's revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.

RECORDKEEPING AND REPORTING CONDITIONS

18. Yale shall prepare and maintain all records and documents required by 40 CFR Part 761, including but not limited to the records required under Subparts J and K. A written record of the cleanup and the analytical sampling shall be established and maintained by Yale until such time as EPA approves in writing a request for an alternative disposition of such records. All records shall be made available for inspection by authorized representatives of EPA.

19. Yale shall submit a final report to EPA within 60 days of completion of the activities authorized under this Approval. At a minimum, this final report shall include: a narrative of the cleanup and disposal activities; characterization and confirmation sampling analytical results (if applicable); figure(s) detailing sampling locations; copies of the laboratory reports and accompanying analytical chains of custody (CD-ROM is acceptable); field and laboratory quality control/quality assurance checks; an estimate of the quantity of PCB waste disposed of; the size of the remediated area(s); copies of manifests and/or bills of lading; and copies of certificates of disposal or similar certifications issued by the disposer.

20. Required submittals shall be mailed to:

    Kimberly N. Tisa, PCB Coordinator
    United States Environmental Protection Agency
    1 Congress Street, Suite 1100 - CPT
    Boston, Massachusetts 02114-2023
    Telephone: (617) 918-1527
    Facsimile: (617) 918-0527

21. No record, report or communication required under this Approval shall qualify as a self-audit or voluntary disclosure under EPA audit, self disclosure or penalty policies.

****

END OF ATTACHMENT 1

APPENDIX B: PHOTOGRAPHS

Appendix B
Photographs

Polyethylene Containment Construction

Concrete Floor Following Initial 4" Removal

Containment and Filter

Area C Following Second Round of Concrete Removal

Area C Following Third Round of Removal (Concrete and Soil)

Area A Following Final Soil Removal

APPENDIX C: ANALYTICAL LABORATORY REPORTS

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

June 5, 2009

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

RE: Analytical Results Case Narrative
Analytics # 63965
Yale Mason Bldg.
Proj# 210954

Dear Mr. Franklin;

Enclosed please find the analytical results for samples submitted for the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed Polychlorinated Biphenyls (PCBs) by EPA Method 8082.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level II data package has been assembled in the following order:

Case Narrative/Non-Conformance Summary
Sample Log Sheet - Cover Page
CT Certification Page
PCB Form 1 Data Sheet for Samples and Blanks
Chromatograms
PCB Form 10 Confirmation Results
PCB Form 3 MS/MSD (LCS) Recoveries
Chain of Custody (COC) Forms

QC NON-CONFORMANCE SUMMARY

Sample Receipt:
No exceptions.

PCBs by EPA Method 8082:
Sample 63965-20 (10 mL) had final extract volumes greater than 5mL due to matrix affect. Samples 63965-1, 63965-2, 63965-6, 63965-10, 63965-18, 63965-19 and 63965-24 required dilution due to matrix affect or PCB concentrations in the sample.

The closing continuing calibration standard (File#L19288SC) for the aqueous samples had high recovery for PCB 1016 on both columns. No analytes were detected in these samples and results were reported without qualification.

The MS/MSD analyzed on sample 63965-1 (YMB-CS-CC01) had high recoveries for PCB 1016 on column #1 and PCB 1260 on both columns due to the concentrations of PCB 1254 detected in the parent sample. In addition the MS had recovery for Tetrachloro-m-xylene (TCX) on column#1 below the laboratory acceptance criteria but within CT RCP criteria. The MSD had TCX recovery below CT RCP criteria on column #2. Surrogate recoveries fro the parent sample were in control. The laboratory control samples (L06019PSOX/LD06019PSOX) were in control for all analytes. Results were reported without qualification.

Decachorobiphenyl (DCB) had low recovery in the final closing standard (file# L19373SC) on column#1. Column#2 was in control for all analytes. Results were reported without qualification.

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

Report Number: 63965
Revision: Rev. 0

Re: Yale Mason Building **210954**

Enclosed are the results of the analyses on your sample(s). Samples were received on 01 June 2009 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
63965-1	06/01/09	YMB-CS-CC01	EPA 8082 (PCBs only)	
63965-2	06/01/09	YMB-CS-CC02	EPA 8082 (PCBs only)	
63965-3	06/01/09	YMB-CS-CC03	EPA 8082 (PCBs only)	
63965-4	06/01/09	YMB-CS-CC04	EPA 8082 (PCBs only)	
63965-5	06/01/09	YMB-CS-CC05	EPA 8082 (PCBs only)	
63965-6	06/01/09	YMB-CS-CC06	EPA 8082 (PCBs only)	
63965-7	06/01/09	YMB-CS-CC07	EPA 8082 (PCBs only)	
63965-8	06/01/09	YMB-CS-CC08	EPA 8082 (PCBs only)	
63965-9	06/01/09	YMB-CS-CC09	EPA 8082 (PCBs only)	
63965-10	06/01/09	YMB-CS-CC10	EPA 8082 (PCBs only)	
63965-11	06/01/09	YMB-CS-CC11	EPA 8082 (PCBs only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Maryland, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature
Stephen L. Knollmeyer Lab. Director
Date 6/4/2009

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
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Lab Number	Sample Date	Station Location	Analysis	Comments
63965-12	06/01/09	YMB-CS-CC12	EPA 8082 (PCBs only)	
63965-13	06/01/09	YMB-CS-CC13	EPA 8082 (PCBs only)	
63965-14	06/01/09	YMB-CS-CC14	EPA 8082 (PCBs only)	
63965-15	06/01/09	YMB-CS-CC15	EPA 8082 (PCBs only)	
63965-16	06/01/09	YMB-CS-CC16	EPA 8082 (PCBs only)	
63965-17	06/01/09	YMB-CS-CC17	EPA 8082 (PCBs only)	
63965-18	06/01/09	YMB-CS-CC18	EPA 8082 (PCBs only)	
63965-19	06/01/09	YMB-CS-CC19	EPA 8082 (PCBs only)	
63965-20	06/01/09	YMB-CS-CC99	EPA 8082 (PCBs only)	
63965-21	06/01/09	YMB-CS-CC20	EPA 8082 (PCBs only)	
63965-22	06/01/09	YMB-CS-CC21	EPA 8082 (PCBs only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Maryland, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature
Stephen L. Knollmeyer Lab. Director
Date 6/4/2009

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9936
www.analyticslab.com

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

Report Number: 63965
Revision: Rev. 0

Re: Yale Mason Building **210954**

Enclosed are the results of the analyses on your sample(s). Samples were received on 01 June 2009 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
63965-23	06/01/09	YMB-CS-CC22	EPA 8082 (PCBs only)	
63965-24	06/01/09	YMB-CS-CC23	EPA 8082 (PCBs only)	
63965-25	06/01/09	YMB-CS-CC24	EPA 8082 (PCBs only)	
63965-26	06/01/09	YMB-CS-CC25	EPA 8082 (PCBs only)	
63965-27	06/01/09	EB-01	EPA 8082 (PCBs only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Maryland, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 6/4/2009

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9936

Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC ***Client:*** Woodard & Curran

Project Location: Yale Mason Building ***Project Number:*** 63965

Sampling Date(s): 06/01/2009

Laboratory Sample ID(s): 63965-1 through 63965-27

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	☒ Yes	☐ No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody documents(s)?	☒ Yes	☐ No
3	Were samples received at an appropriate temperature (4° C ± 2°)? If no, the attached narrative should include any explanation as the acceptability of samples received at other temperatures.	☒ Yes	☐ No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	☐ Yes	☒ No
5	Were reporting limits specified on the chain-of-custody met?	☒ Yes	☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documentes?	☒ Yes	☐ No
7	Are project-specific QC samples included in this data set?	☒ Yes	☐ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1 is "No", the data package does not meet the requirments for 'Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete

Authorized Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen Knollmeyer **Date:** June 05, 2009

Surrogate Compound Limits

	Matrix: Aqueous % Recovery	Solid % Recovery	Method
Volatile Organic Compounds - Drinking Water			
1,4-Difluorobenzene	70-130		EPA 524.2
Bromofluorobenzene	70-130		
1,2-Dichlorobenzene-d4	70-130		
Volatile Organic Compounds			
1,2-Dichloroethane-d4	70-120	70-120	EPA 624/8260B
Toluene-d8	85-120	85-120	
Bromofluorobenzene	75-120	75-120	
Semi-Volatile Organic Compounds			
2-Fluorophenol	20-110	35-105	EPA 625/8270C
d5-Phenol	15-110	40-100	
d5-nitrobenzene	40-110	35-100	
2-Fluorobiphenyl	50-110	45-105	
2,4,6-Tribromophenol	40-110	40-125	
d14-p-terphenyl	50-130	30-125	
PAH's by SIM			
d5-nitrobenzene	21-110	35-110	EPA 8270C
2-Fluorobiphenyl	36-121	45-105	
d14-p-terphenyl	33-141	30-125	
Pesticides and PCBs			
2,4,5,6-Tetrachloro-m-xylene (TCX)	46-122	40-130	EPA 608/8082
Decachlorobiphenyl (DCB)	40-135	40-130	
Herbicides			
Dichloroacetic acid (DCAA0	30-150	30-150	
Gasoline Range Organics/TPH Gasoline			
Trifluorotoluene TFT (FID)	60-140	60-140	MEDEP 4217/EPA 8015
Bromofluorobenzene (BFB) (FID)	60-140	60-140	
Trifluorotoluene TFT (PID)	60-140	60-140	
Bromofluorobenzene (BFB) (PID)	60-140	60-140	
Diesel Range Organics/TPH Diesel			
m-terphenyl	60-140	60-140	MEDEP 4125/EPA 8015/CT ETPH

analytics environmental laboratory LLC

PCB
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-436-8151
800-924-9908

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building

Project Number: 210954

Field Sample ID: Lab QC

Lab Sample ID: B06029PW
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 06/02/09
Analysis Date: 06/02/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	79	%
Decachlorobiphenyl	66	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB Report

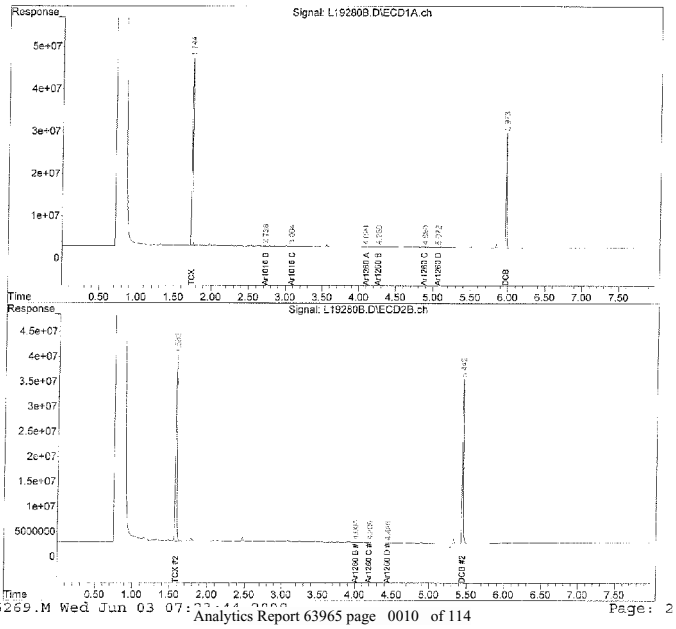
Authorized signature

Quantitation Report (Not Reviewed)

```
Data Path : C:\MSDCHEM\1\DATA\060209-L\
Data File : L19280B.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  2 Jun 09   4:18 pm
Operator  :
Sample    : B06029PW
Misc      :
ALS Vial  : 51   Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jun 03 07:23:44 2009
Quant Method : C:\msdchem\1\METHODS\PB05269.M
Quant Title  : Aroclor 1016/1260
QLast Update : Wed May 27 07:25:55 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.      : 3 ul
Signal #1 Phase : DB-1701 Widebore  Signal #2 Phase: DB-5 Widebore
Signal #1 Info  : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film
```



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-436-8151
800-924-9908

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building

Project Number: 210954

Field Sample ID: Lab QC

Lab Sample ID: B06019PSOX
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 06/01/09
Analysis Date: 06/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	93	%
Decachlorobiphenyl	83	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

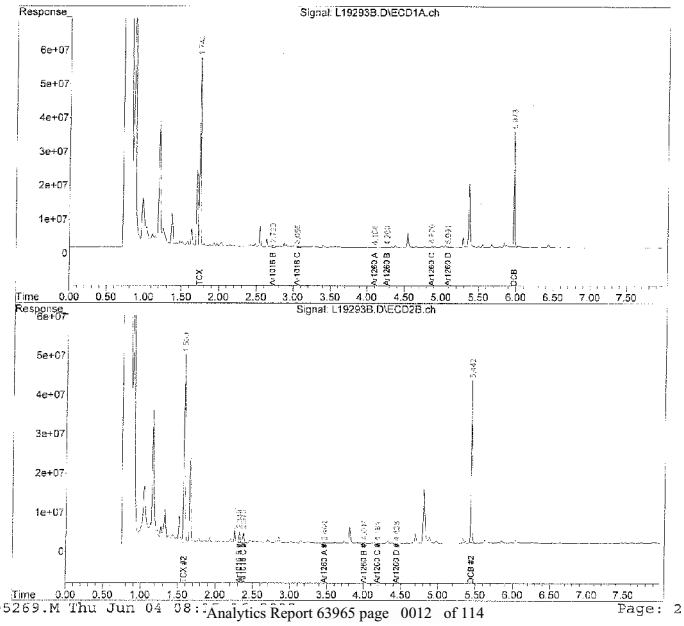
Authorized signature

Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19293B.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  3 Jun 09   9:33 am
Operator  :
Sample    : B06019PSOX,,A/C
Misc      : SOIL
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jun 04 08:15:08 2009
Quant Method : C:\msdchem\1\METHODS\PB05269.M
Quant Title  : Aroclor 1016/1260
QLast Update : Wed May 27 07:25:55 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.      : 3 ul
Signal #1 Phase : DB-1701 Widebore  Signal #2 Phase: DB-5 Widebore
Signal #1 Info  : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film
```



analytics environmental laboratory llc

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-433-2181
800-924-9908

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building

Project Number: 210954

Field Sample ID: Lab QC

SAMPLE DATA

Lab Sample ID: B06019PSOX RR
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 06/01/09
Analysis Date: 06/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	93 %
Decachlorobiphenyl	82 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

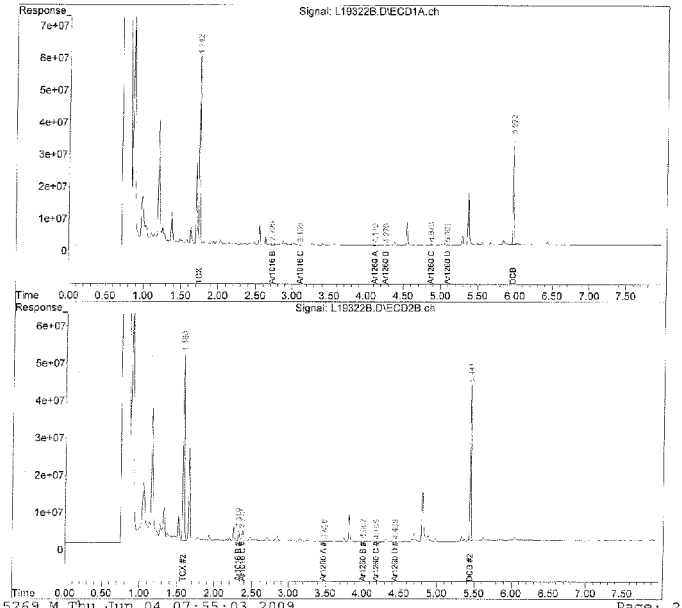
Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19322B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Jun 09 6:20 pm
Operator :
Sample : B06019PSOX,RR,,A/C
Misc : SOIL
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jun 04 07:55:02 2009
Quant Method : C:\msdchem\1\METHODS\PB05269.M
Quant Title : Aroclor 1016/1260
QLast Update : Wed May 27 07:25:55 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film



PB05269.M Thu Jun 04 07:55:03 2009 Page: 2

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195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-433-2181
800-924-9908

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building

Project Number: 210954

Field Sample ID: Lab QC

SAMPLE DATA

Lab Sample ID: B06029PSOX
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 06/02/09
Analysis Date: 06/04/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	92 %
Decachlorobiphenyl	83 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

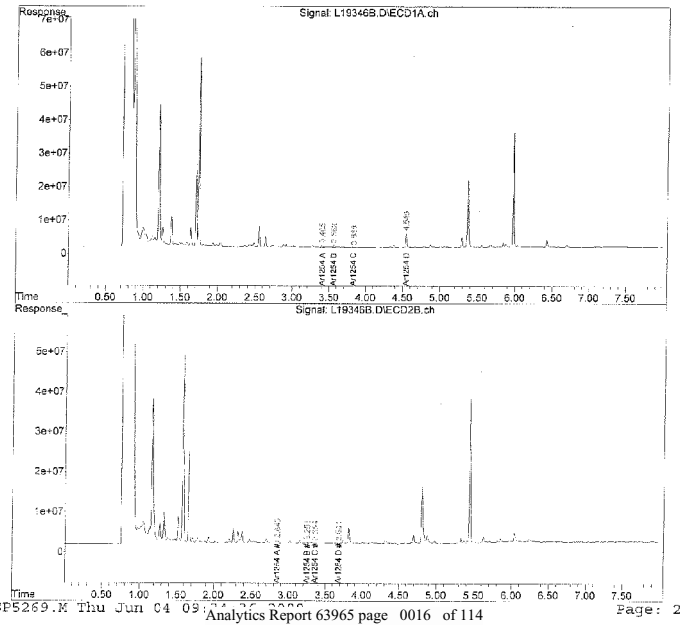
Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060409-L\
Data File : L19346B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Jun 09 9:18 am
Operator :
Sample : B06029PSOX,,A/C
Misc : SOIL
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 09:34:36 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



54SP5269.M Thu Jun 04 09:34:36 2009 Page: 2

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195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

June 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name:

Project Number:

Field Sample ID: Lab QC

Lab Sample ID: B06039PAS RR
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 06/03/09
Analysis Date: 06/04/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	99	%
Decachlorobiphenyl	77	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

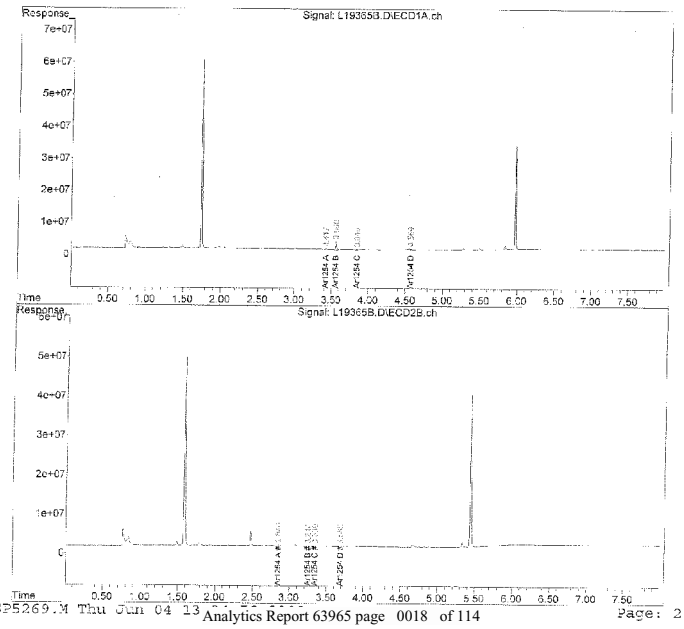
Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\060409-L\
Data File : L19365B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Jun 09 1:23 pm
Operator :
Sample : B06039PAS,RR,,A/C
Misc : SOIL
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 13:34:58 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



54SP5269.M Thu Jun 04 13

Page: 2

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195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building

Project Number: 210954

Field Sample ID: YMB-CS-CC01

Lab Sample ID: 63965-1
Matrix: Solid
Percent Solid: 96
Dilution Factor: 10
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/01/09
Analysis Date: 06/04/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	330	U
PCB-1221	330	U
PCB-1232	330	U
PCB-1242	330	U
PCB-1248	330	U
PCB-1254	330	**4430**
PCB-1260	330	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	86	%
Decachlorobiphenyl	70	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-1,1:10
Data File: L19360.D
Dilution Factor: 10.3

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	4430	4231	4.6	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

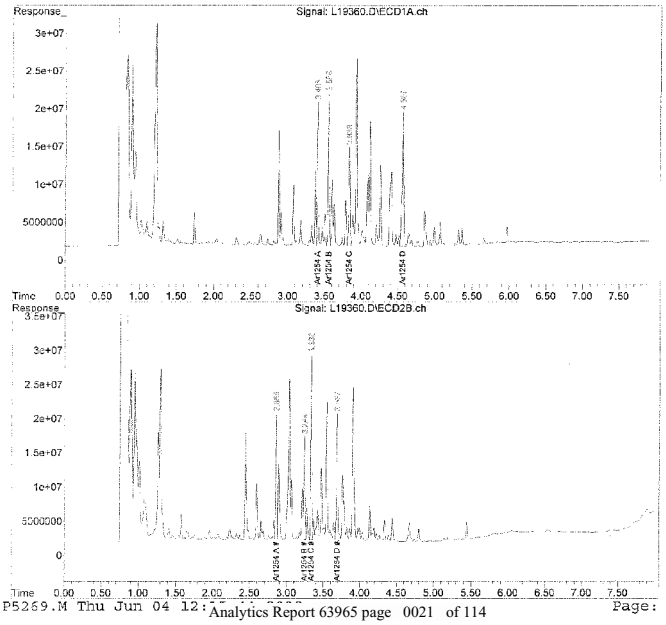
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\060409-L\
Data File : L19360.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Jun 09 11:44 am
Operator :
Sample : 63965-1,1:10
Misc : SOIL
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 12:15:44 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-436-2151
800-929-9906

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC02

SAMPLE DATA

Lab Sample ID: 63965-2
Matrix: Solid
Percent Solid: 96
Dilution Factor: 21
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/01/09
Analysis Date: 06/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	690	U
PCB-1221	690	U
PCB-1232	690	U
PCB-1242	690	U
PCB-1248	690	U
PCB-1254	690	**15200**
PCB-1260	690	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene * %
Decachlorobiphenyl * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-2,1:20
Data File: L19327.D
Dilution Factor: 20.8

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	15226	13858	9.4	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

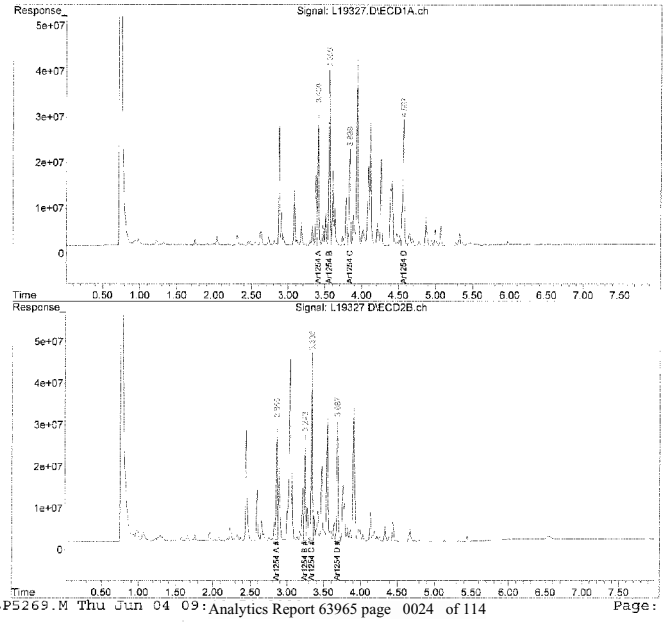
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Jun 09 7:11 pm
Operator :
Sample : 63965-2,1:20
Misc : SOIL
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 09:40:43 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-433-2151
800-929-9906

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC03

SAMPLE DATA

Lab Sample ID: 63965-3
Matrix: Solid
Percent Solid: 98
Dilution Factor: 1.0
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/01/09
Analysis Date: 06/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**58**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	83	%
Decachlorobiphenyl	75	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-3
Data File: L19314.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	53	58	8.6	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

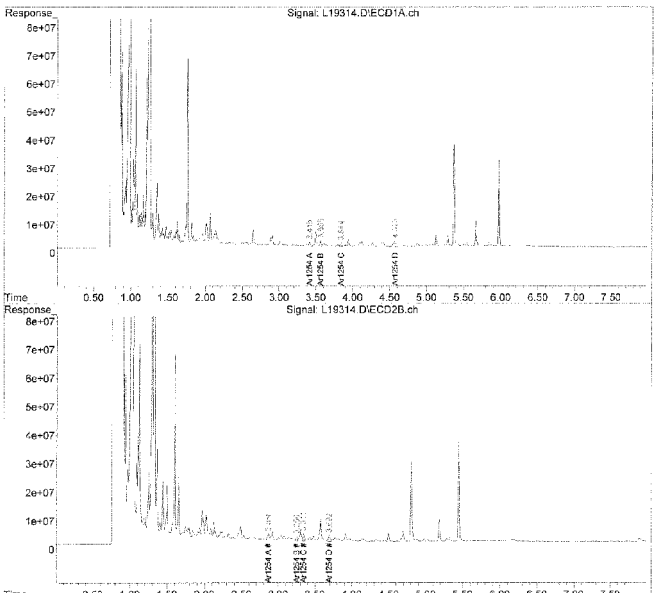
PCB FORM 10

Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19314.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  3 Jun 09   2:55 pm
Operator  :
Sample    : 63965-3
Misc      : SOIL
ALS Vial  : 17   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 08:31:00 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title  :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-433-2151
800-929-9906

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC04

SAMPLE DATA

Lab Sample ID: 63965-4 RX
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 06/01/09
Lab Receipt Date: 06/02/09
Extraction Date: 06/02/09
Analysis Date: 06/04/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**68**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	70	%
Decachlorobiphenyl	61	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-Cl.Pesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-4,RX
Data File: L19356.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	63	68	6.7	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

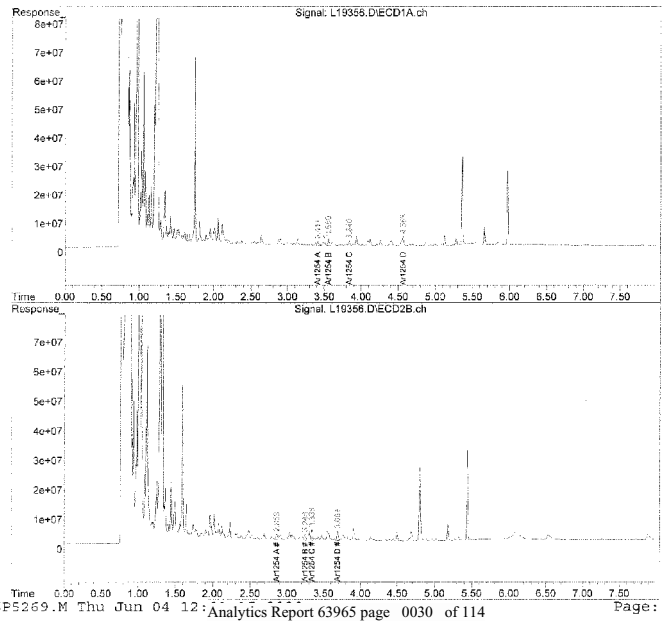
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\060409-L\
Data File : L19356.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Jun 09 11:02 am
Operator :
Sample : 63965-4,RX
Misc : SOIL
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 12:01:15 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC05

SAMPLE DATA

Lab Sample ID: 63965-5
Matrix: Solid
Percent Solid: 97
Dilution Factor: 1.0
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/01/09
Analysis Date: 06/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**31 J**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	75 %
Decachlorobiphenyl	73 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature _____

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-5
Data File: L19323.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	30 J	31 J	3.5	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

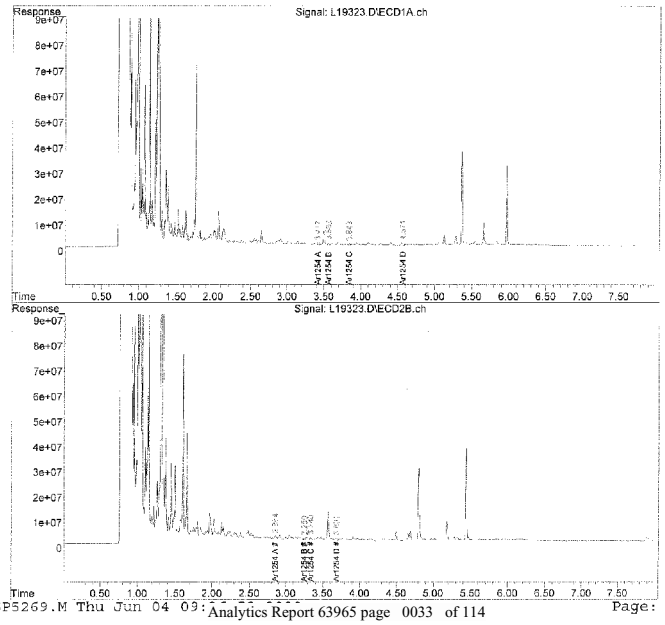
PCB FORM 10

Quantitation Report (Not Reviewed)

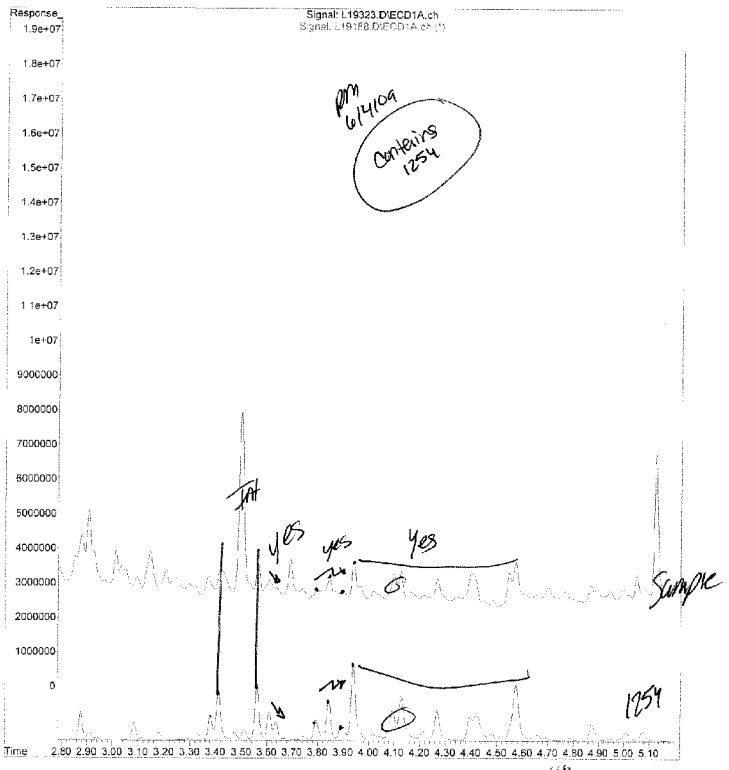
Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Jun 09 6:30 pm
Operator :
Sample : 63965-5
Misc : SOIL
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 09:36:52 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



File :C:\msdchem\1\DATA\060309-L\L19323.D
Operator :
Acquired : 3 Jun 09 6:30 pm using AcqMethod PEST.M
Instrument : Inst L
Sample Name: 63965-5
Misc Info : SOIL
Vial Number: 23



analytics environmental laboratory, llc

105 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-924-9956

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC06

SAMPLE DATA

Lab Sample ID: 63965-6
Matrix: Solid
Percent Solid: 95
Dilution Factor: 2.1
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/02/09
Analysis Date: 06/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	69	U
PCB-1221	69	U
PCB-1232	69	U
PCB-1242	69	U
PCB-1248	69	U
PCB-1254	69	**318**
PCB-1260	69	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	52	%
Decachlorobiphenyl	80	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-6,I:2,,A/C
Data File: L19337.D
Dilution Factor: 2.1

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	318	286	10.6	

Column to be used to flag RPD values greater than QC limit of 40%
* Values outside QC limits

Comments: _____

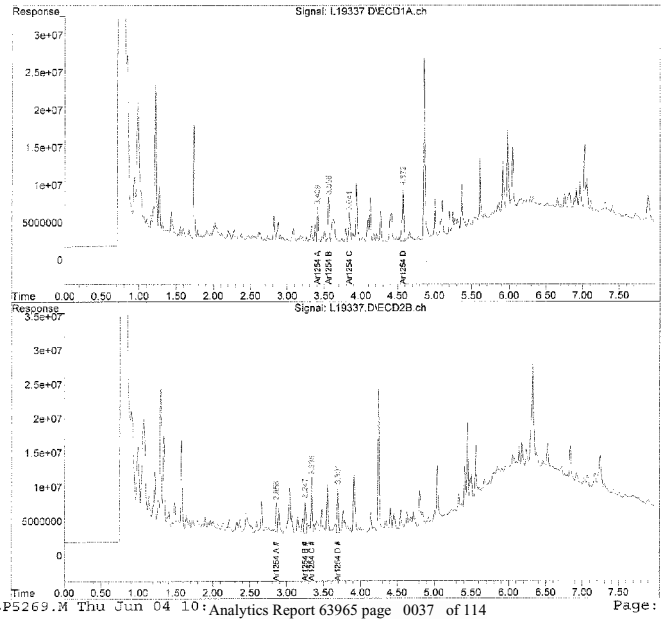
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Jun 09 8:54 pm
Operator :
Sample : 63965-6,1:2,,A/C (Sig #1); ~~63965-5,1:2,,A/C (Sig #2)~~ 2m 6/4/09
Misc : SOIL
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 10:50:39 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-436-2151
800-929-9706

Mr. George Franklin
Weedard & Curran
55 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

SAMPLE DATA

Lab Sample ID:	63965-7
Matrix:	Solid
Percent Solid:	96
Dilution Factor:	2.0
Collection Date:	06/01/09
Lab Receipt Date:	06/01/09
Extraction Date:	06/01/09
Analysis Date:	06/04/09

CLIENT SAMPLE ID

Project Name:	Yale Mason Building
Project Number:	210954
Field Sample ID:	YMB-CS-CC07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	66	U
PCB-1221	66	U
PCB-1232	66	U
PCB-1242	66	U
PCB-1248	66	U
PCB-1254	66	1340
PCB-1260	66	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	102	%
Decachlorobiphenyl	79	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-7, 1:2
Data File: L19371.D
Dilution Factor: 2.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	1342	1328	1.1	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

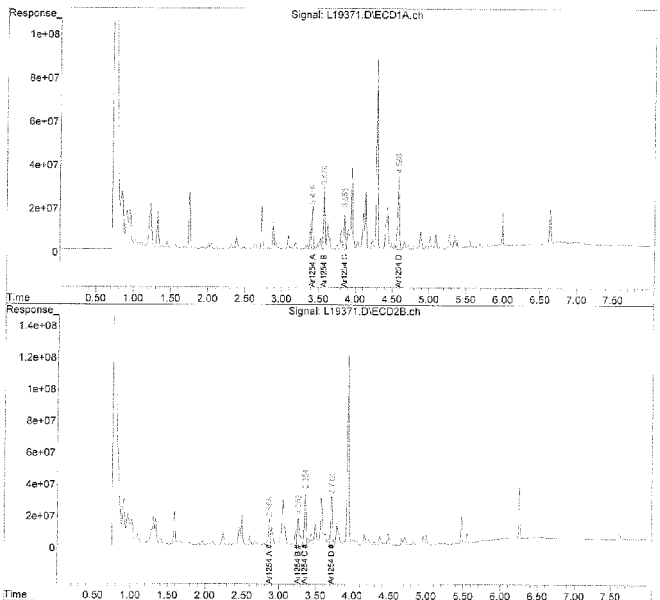
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\060409-L\
Data File : L19371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Jun 09 2:15 pm
Operator :
Sample : 63965-7, 1:2
Misc : SOIL
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 14:23:52 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-433-2151
800-929-9966

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC08

Lab Sample ID: 63965-8
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.1
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/01/09
Analysis Date: 06/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	36	U
PCB-1221	36	U
PCB-1232	36	U
PCB-1242	36	U
PCB-1248	36	U
PCB-1254	36	35 J
PCB-1260	36	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	70	%
Decachlorobiphenyl	64	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-8
Data File: L19328.D
Dilution Factor: 1.1

COMPOUND	Column #1 SAMPLE RESULT (ug/kg)	Column #2 SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	30 J	35 J	15.0	

Column to be used to flag RPD values greater than QC limit of 40%
* Values outside QC limits

Comments: _____

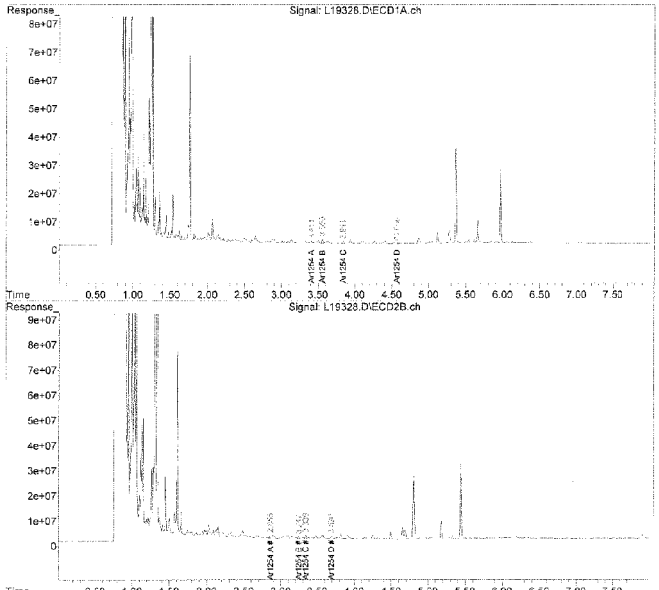
PCB FORM 10

Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19328.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  3 Jun 09   7:22 pm
Operator  :
Sample    : 63965-8
Misc      : SOIL
ALS Vial  : 28   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 09:41:05 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title  :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-433-2151
800-929-9966

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC09

Lab Sample ID: 63965-9
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1.0
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/01/09
Analysis Date: 06/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	274
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	75	%
Decachlorobiphenyl	73	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-9
Data File: L19316.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	274	256	6.6	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

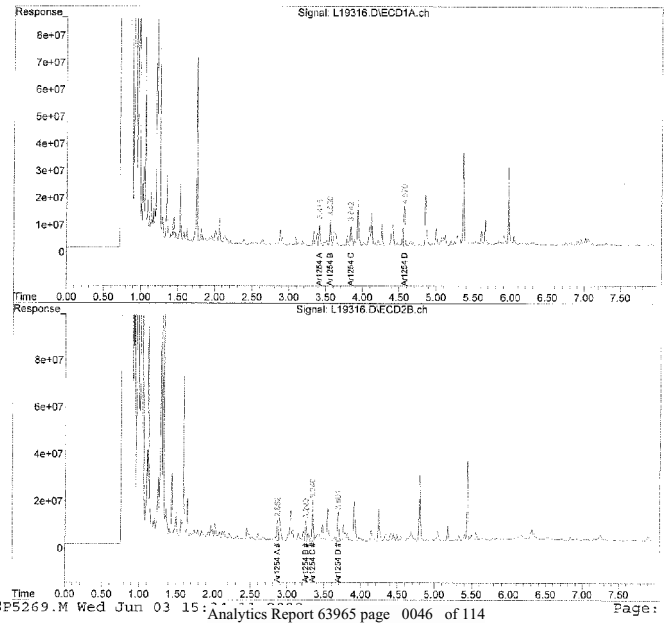
PCB FORM 10

Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19316.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  3 Jun 09   3:15 pm
Operator  :
Sample    : 63965-9
Misc      : SOIL
ALS Vial  : 19   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 03 15:34:10 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title  :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



analytics environmental laboratory, llc

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800 999-9956

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC10

SAMPLE DATA

Lab Sample ID: 63965-10
Matrix: Solid
Percent Solid: 95
Dilution Factor: 2.1
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/01/09
Analysis Date: 06/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	69	U
PCB-1221	69	U
PCB-1232	69	U
PCB-1242	69	U
PCB-1248	69	U
PCB-1254	69	**311**
PCB-1260	69	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	42	%
Decachlorobiphenyl	72	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature _____

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-10,1:2,,A/C
Data File: L19338.D
Dilution Factor: 2.1

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	311	278	11.1	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

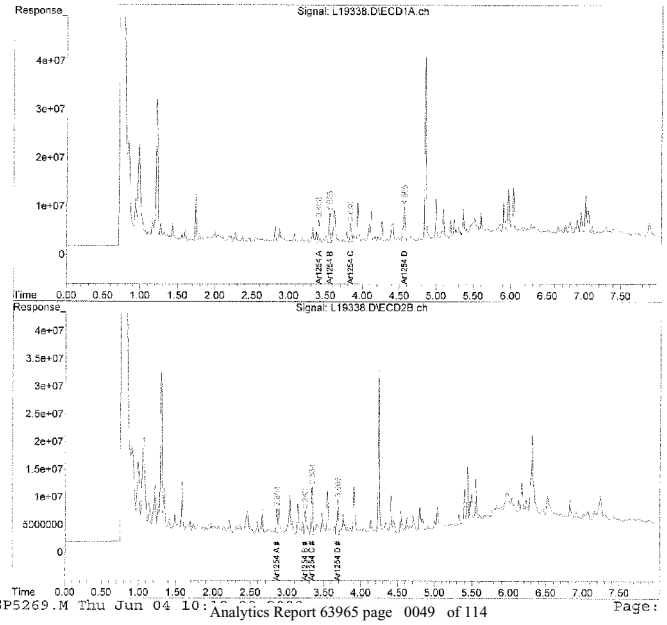
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19338.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Jun 09 9:05 pm
Operator :
Sample : 63965-10,1:2,,A/C
Misc : SOIL
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 10:16:58 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-433-2151
800-924-9905

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

SAMPLE DATA

Lab Sample ID:	63965-11
Matrix:	Solid
Percent Solid:	98
Dilution Factor:	1.0
Collection Date:	06/01/09
Lab Receipt Date:	06/01/09
Extraction Date:	06/01/09
Analysis Date:	06/03/09

CLIENT SAMPLE ID

Project Name:	Yale Mason Building
Project Number:	210954
Field Sample ID:	YMB-CS-CC11

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	386
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	65	%
Decachlorobiphenyl	71	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-11
Data File: L19326.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	386	368	4.9	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

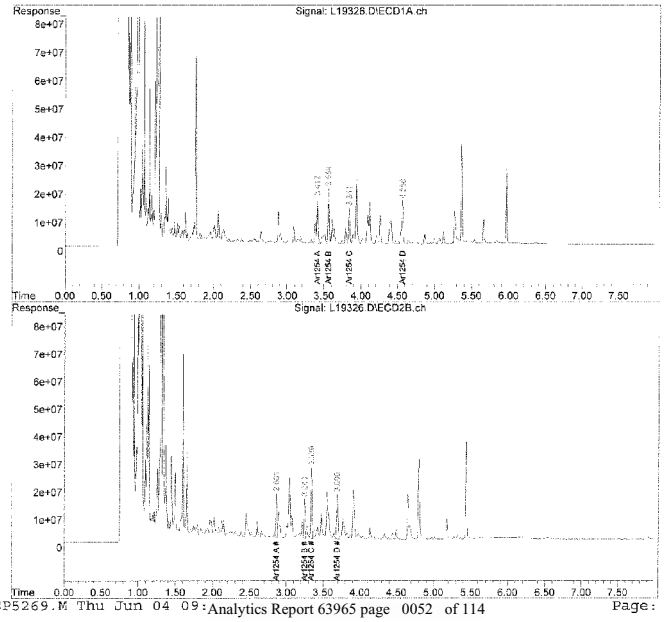
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Jun 09 7:01 pm
Operator :
Sample : 63965-11
Misc : SOIL
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 09:39:33 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-436-2151
800-929-9966

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name:	Yale Mason Building
Project Number:	210954
Field Sample ID:	YMB-CS-CC12

Lab Sample ID:	63965-12
Matrix:	Solid
Percent Solid:	98
Dilution Factor:	1.0
Collection Date:	06/01/09
Lab Receipt Date:	06/01/09
Extraction Date:	06/01/09
Analysis Date:	06/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**25 J**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	58	%
Decachlorobiphenyl	55	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L	SDG: 63965
GC Column #1: STX-CLPesticides I	Sample: 63965-12,,A/C
Column ID: 0.25 mm	Data File: L19332.D
GC Column #2: STX-CLPesticides II	Dilution Factor: 1.0
Column ID: 0.25 mm	

COMPOUND	Column #1 SAMPLE RESULT (ug/kg)	Column #2 SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	21	25	18.8	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

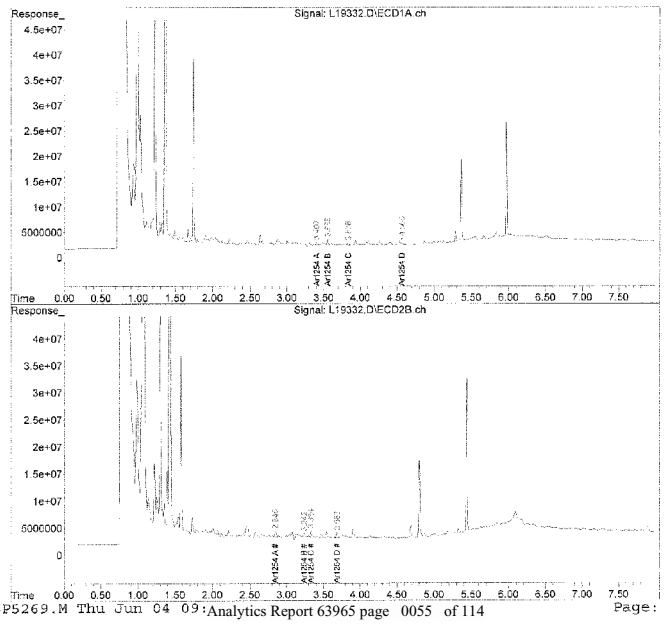
PCB FORM 10

Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19332.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  3 Jun 09   8:03 pm
Operator  :
Sample    : 63965-12,,A/C
Misc      : SOIL
ALS Vial  : 32   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 09:48:12 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title  :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-436-2151
800-929-9966

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name:	Yale Mason Building
Project Number:	210954
Field Sample ID:	YMB-CS-CC13

Lab Sample ID:	63965-13
Matrix:	Solid
Percent Solid:	97
Dilution Factor:	1.0
Collection Date:	06/01/09
Lab Receipt Date:	06/01/09
Extraction Date:	06/01/09
Analysis Date:	06/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**47**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	78	%
Decachlorobiphenyl	72	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-13
Data File: L19324.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	47	45	4.2	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

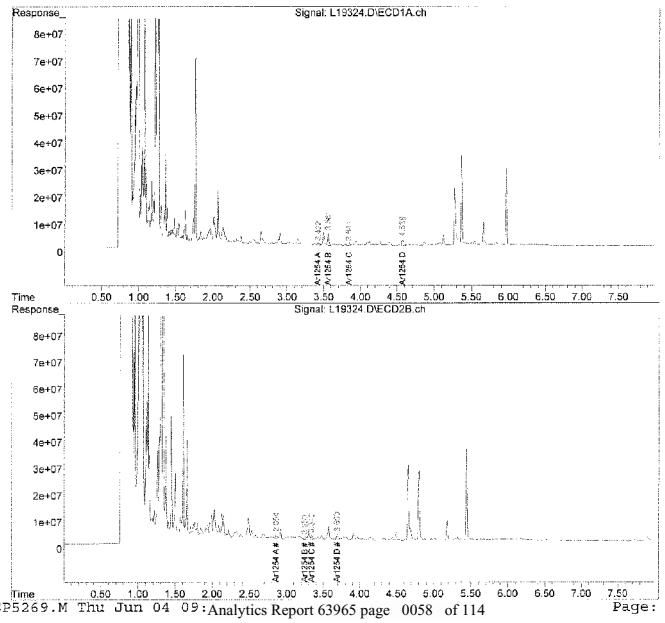
Comments: _____

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Jun 09 6:40 pm
Operator :
Sample : 63965-13
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 09:37:09 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



analytics environmental laboratory, LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-924-VOA

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC14

SAMPLE DATA

Lab Sample ID: 63965-14
Matrix: Solid
Percent Solid: 98
Dilution Factor: 1.0
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/01/09
Analysis Date: 06/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**20 J**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	65 %
Decachlorobiphenyl	73 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature _____

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-14
Data File: L19315.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	20	19	2.6	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

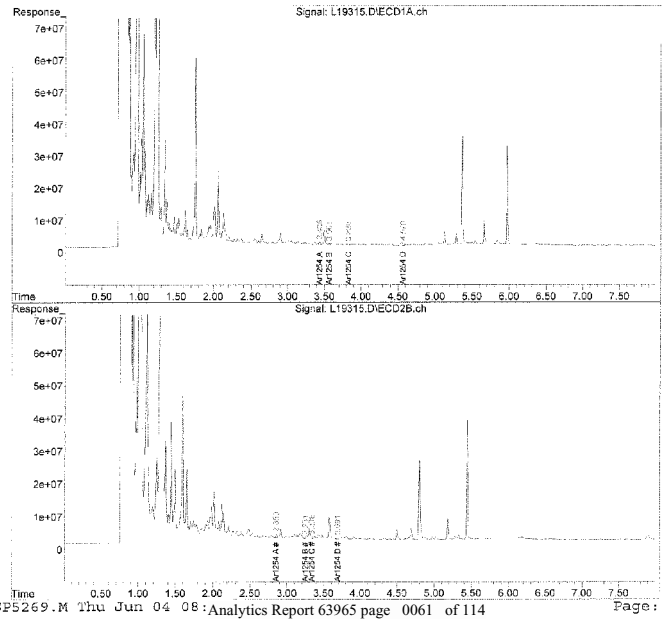
Comments: _____

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19315.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Jun 09 3:05 pm
Operator :
Sample : 63965-14
Misc : SOIL
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 08:42:09 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory llc

195 Commerce Way
Portsmouth, New Hampshire 03801
603 436-5111 Fax 603-430-2151
800-924-9906

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

CLIENT SAMPLE ID

Project Name: Yale Maison Building
Project Number: 210954
Field Sample ID: YMB-CS-CC15

SAMPLE DATA

Lab Sample ID: 63965-15
Matrix: Solid
Percent Solid: 97
Dilution Factor: 1.0
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/01/09
Analysis Date: 06/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	49
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	70	%
Decachlorobiphenyl	71	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-15
Data File: L19325.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	49	43	14.8	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

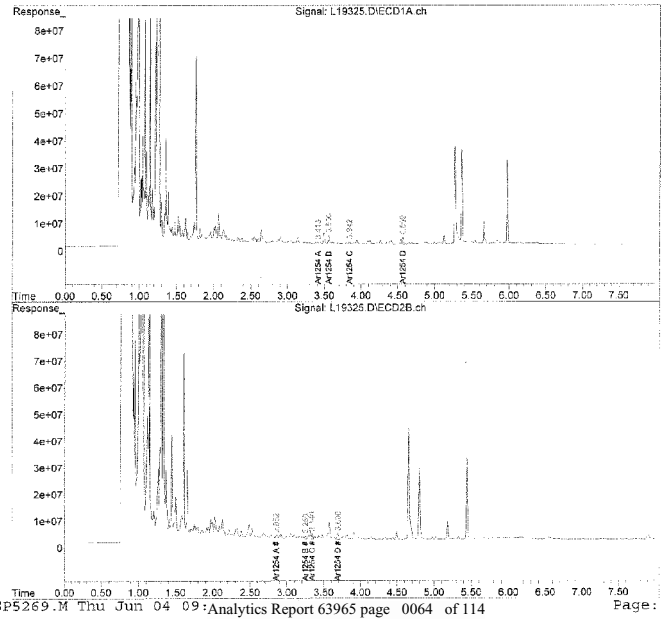
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19325.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Jun 09 6:51 pm
Operator :
Sample : 63965-15
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 09:39:27 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory, LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-436-2151
800-929-9908

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building

Project Number: 210954

Field Sample ID: YMB-CS-CC16

Lab Sample ID: 63965-16
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1.0
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/01/09
Analysis Date: 06/04/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**90**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	56	%
Decachlorobiphenyl	64	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-16
Data File: L19367.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	85	90	5.5	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

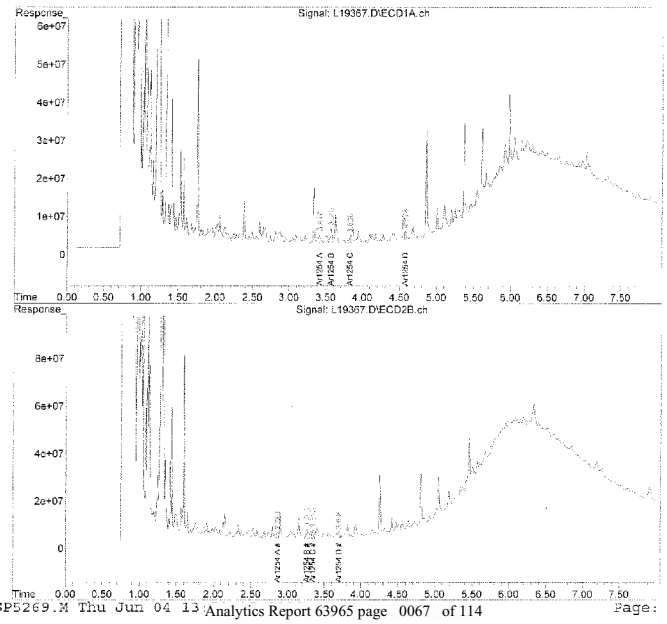
PCB FORM 10

Quantitation Report (Not Reviewed)

```
Data Path : C:\MSDCHEM\1\DATA\060409-L\
Data File : L19367.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  4 Jun 09   1:34 pm
Operator  :
Sample    : 63965-16
Misc      : SOIL
ALS Vial  : 56   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 13:51:17 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title  :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



analytics environmental laboratory, LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-436-2151
800-929-9908

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building

Project Number: 210954

Field Sample ID: YMB-CS-CC17

Lab Sample ID: 63965-17
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1.0
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/01/09
Analysis Date: 06/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**45**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	73	%
Decachlorobiphenyl	67	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-17
Data File: L19317.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	45	42	6.9	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

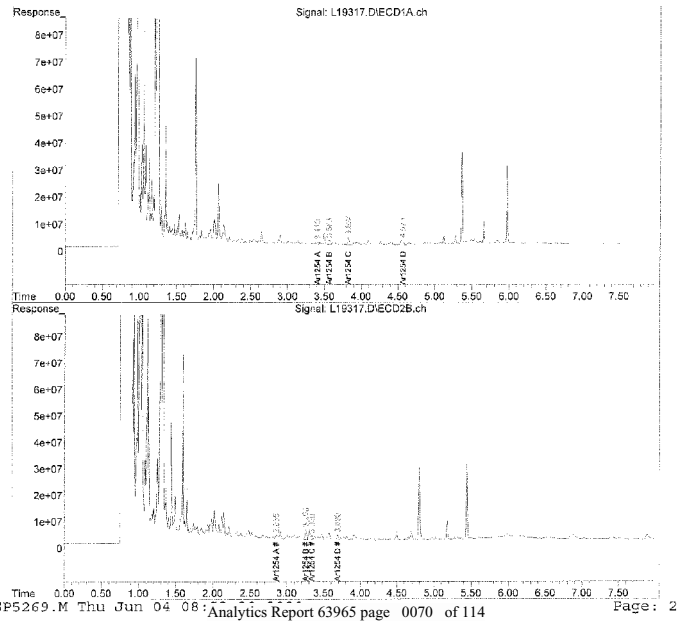
PCB FORM 10

Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19317.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  3 Jun 09   3:26 pm
Operator  :
Sample    : 63965-17
Misc      : SOIL
ALS Vial  : 20   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 08:52:53 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title  :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



analytics environmental laboratory LLC
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-433-2151
800-699-9064

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 5, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC18

SAMPLE DATA

Lab Sample ID: 63965-18
Matrix: Solid
Percent Solid: 96
Dilution Factor: 5
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/01/09
Analysis Date: 06/04/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	170	U
PCB-1221	170	U
PCB-1232	170	U
PCB-1242	170	U
PCB-1248	170	U
PCB-1254	170	**2180**
PCB-1260	170	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	87	%
Decachlorobiphenyl	81	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature _____

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-18, 1:5
Data File: L19370.D
Dilution Factor: 5.2

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	2165	2178	0.6	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

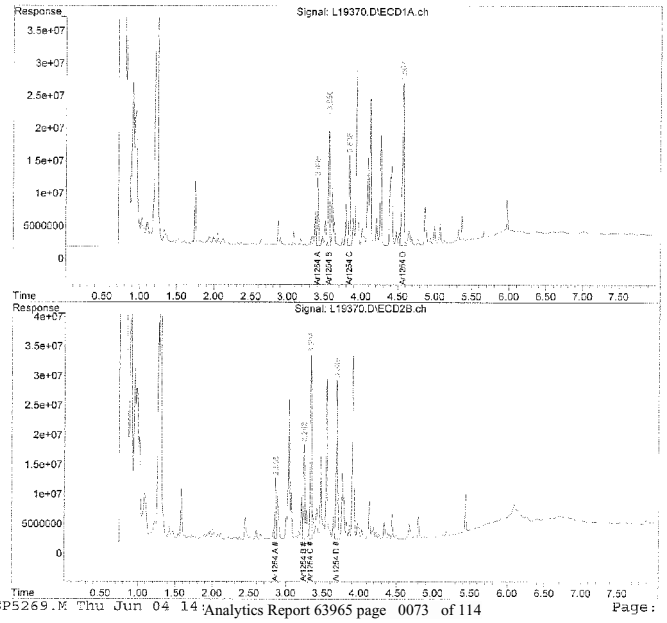
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\060409-L\
Data File : L19370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Jun 09 2:05 pm
Operator :
Sample : 63965-18, 1:5
Misc : SOIL
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 14:14:35 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603 430-2151
800-624-9906

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 5, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC19

SAMPLE DATA

Lab Sample ID: 63965-19
Matrix: Solid
Percent Solid: 93
Dilution Factor: 10
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/01/09
Analysis Date: 06/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	330	U
PCB-1221	330	U
PCB 1232	330	U
PCB-1242	330	U
PCB-1248	330	U
PCB-1254	330	**1280**
PCB-1260	330	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	70	%
Decachlorobiphenyl	125	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-19,1:10
Data File: L19330.D
Dilution Factor: 10.4

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	1283	1110	14.4	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

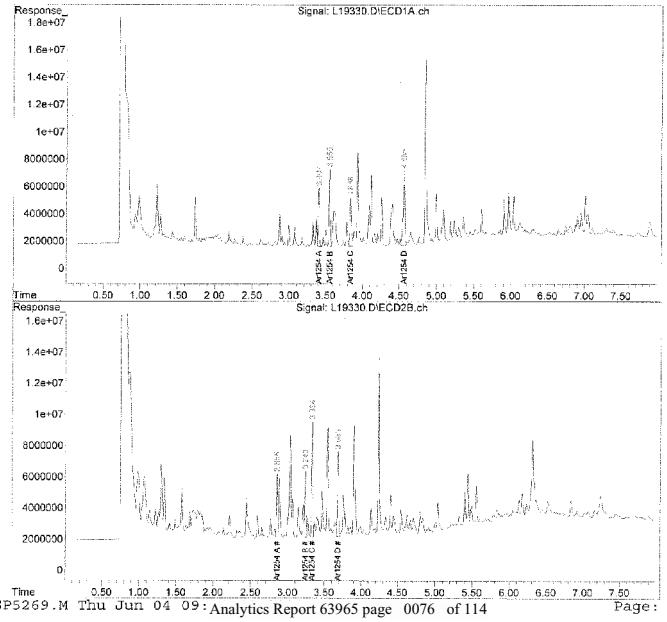
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060309-L\
Data File : L19330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Jun 09 7:42 pm
Operator :
Sample : 63965-19,1:10
Misc : SOIL
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 09:44:40 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9706

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building

Project Number: 210954

Field Sample ID: YMB-CS-CC99

Lab Sample ID: 63965-20
Matrix: Solid
Percent Solid: 94
Dilution Factor: 2.1
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/02/09
Analysis Date: 06/04/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	69	U
PCB-1221	69	U
PCB-1232	69	U
PCB-1242	69	U
PCB-1248	69	U
PCB-1254	69	**370**
PCB-1260	69	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	63	%
Decachlorobiphenyl	67	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-20,,A/C
Data File: L19362.D
Dilution Factor: 2.1

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	370	337	9.1	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

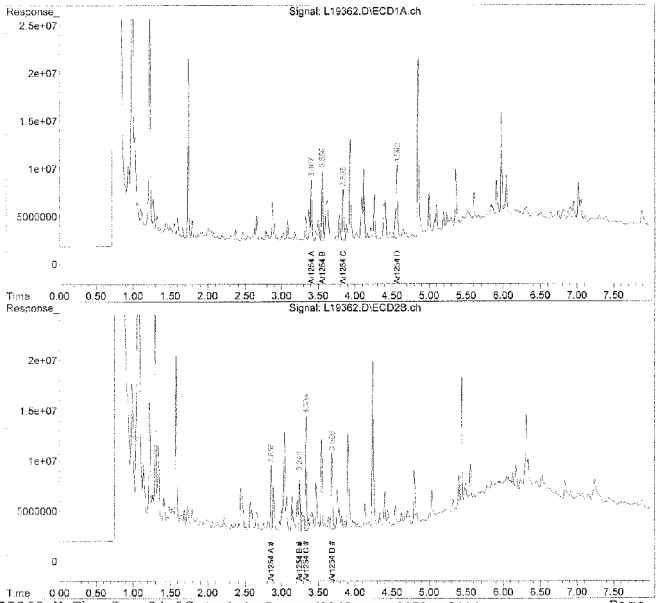
PCB FORM 10

Quantitation Report (Not Reviewed)

```
Data Path : C:\MSDCHEM\1\DATA\060409-L\
Data File : L19362.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  4 Jun 09  12:05 pm
Operator  :
Sample    : 63965-20,,A/C
Misc      : SOIL
ALS Vial  : 52   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 12:17:36 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title  :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9706

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building

Project Number: 210954

Field Sample ID: YMB-CS-CC20

Lab Sample ID: 63965-21
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1.0
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/02/09
Analysis Date: 06/04/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**163**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	53	%
Decachlorobiphenyl	53	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-21,,A/C
Data File: L19363.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	163	140	15.1	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

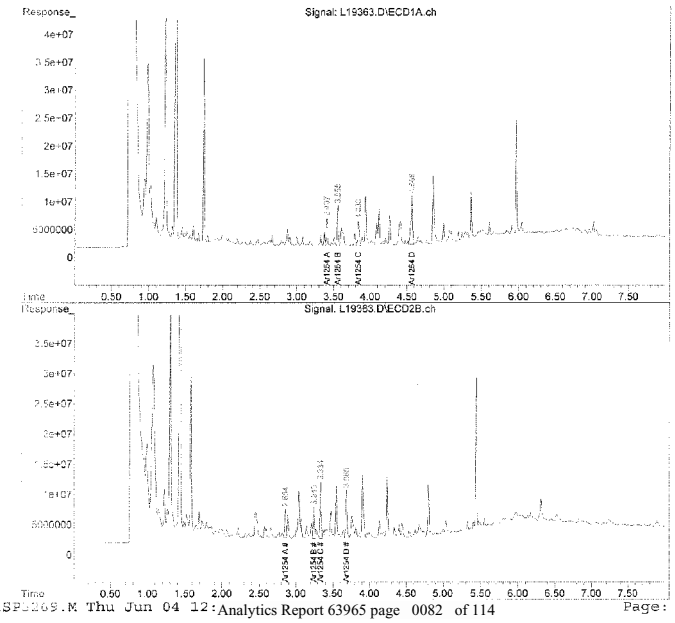
Comments: _____

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\060409-L\
Data File : L19363.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Jun 09 12:15 pm
Operator :
Sample : 63965-21,,A/C
Misc : SOIL
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 12:24:29 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory, LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-436-2151
800-929-9908

Mr. George Franklin
Woodard & Curran
33 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC21

SAMPLE DATA

Lab Sample ID: 63965-22
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 06/01/09
Lab Receipt Date: 06/02/09
Extraction Date: 06/02/09
Analysis Date: 06/04/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**62**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	57 %
Decachlorobiphenyl	68 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature _____

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-22,,A/C
Data File: L19349.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	62	50	21.8	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

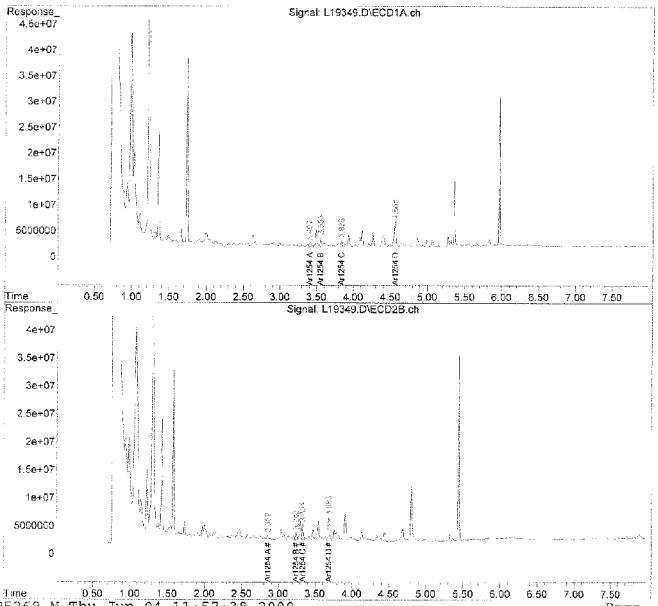
Comments: _____

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\060409-L\
Data File : L19349.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Jun 09 9:49 am
Operator :
Sample : 63965-22,,A/C
Misc : SOIL
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 11:57:38 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory llc
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9956

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC22

SAMPLE DATA

Lab Sample ID:	63965-23
Matrix:	Solid
Percent Solid:	97
Dilution Factor:	1.0
Collection Date:	06/01/09
Lab Receipt Date:	06/01/09
Extraction Date:	06/02/09
Analysis Date:	06/04/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**208**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	74	%
Decachlorobiphenyl	64	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-23
Data File: L19357.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	208	196	6.0	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

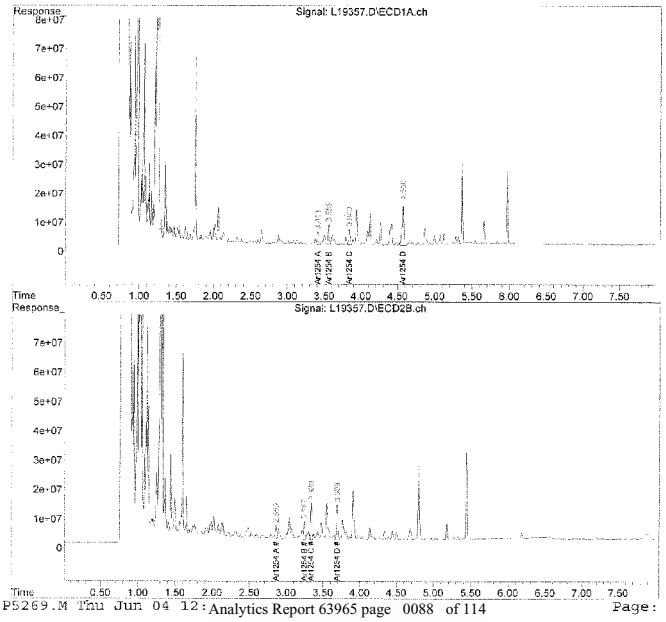
Comments: _____

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\060409-L\
Data File : L19357.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Jun 09 11:12 am
Operator :
Sample : 63965-23
Misc : SOIL
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 12:03:24 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-436-2151
800-922-9936

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building

Project Number: 210954

Field Sample ID: YMB-CS-CC23

Lab Sample ID: 63965-24
Matrix: Solid
Percent Solid: 95
Dilution Factor: 5.0
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/02/09
Analysis Date: 06/04/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	170	U
PCB-1221	170	U
PCB-1232	170	U
PCB-1242	170	U
PCB-1248	170	U
PCB-1254	170	**1560**
PCB-1260	170	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	56 %
Decachlorobiphenyl	52 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CL Pesticides I
Column ID: 0.25 mm
GC Column #2: STX-CL Pesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-24,1:5
Data File: L19359.D
Dilution Factor: 5.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	1565	1448	7.7	

Column to be used to flag RPD values greater than QC limit of 40%
* Values outside QC limits

Comments: _____

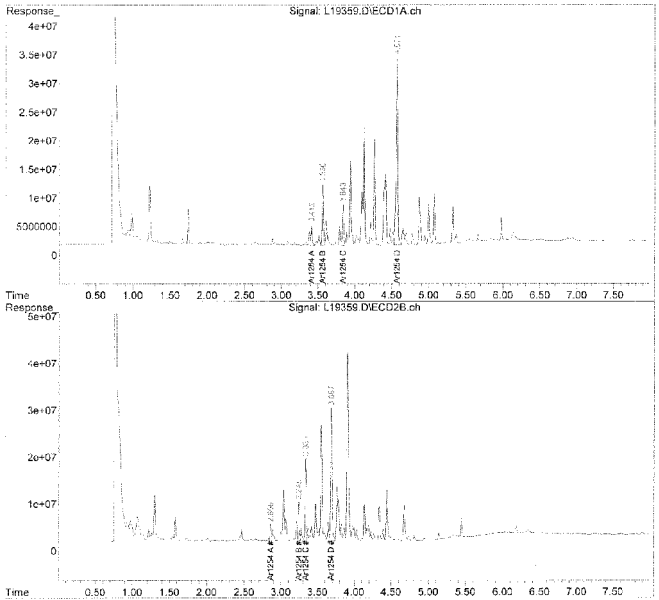
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\060409-L\
Data File : L19359.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Jun 09 11:34 am
Operator :
Sample : 63965-24,1:5
Misc : SOIL
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 12:15:29 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-436-2151
800-922-9936

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building

Project Number: 210954

Field Sample ID: YMB-CS-CC24

Lab Sample ID: 63965-25
Matrix: Solid
Percent Solid: 97
Dilution Factor: 1.0
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/02/09
Analysis Date: 06/04/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**209**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	65 %
Decachlorobiphenyl	50 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-25
Data File: L19354.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	203	209	2.7	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

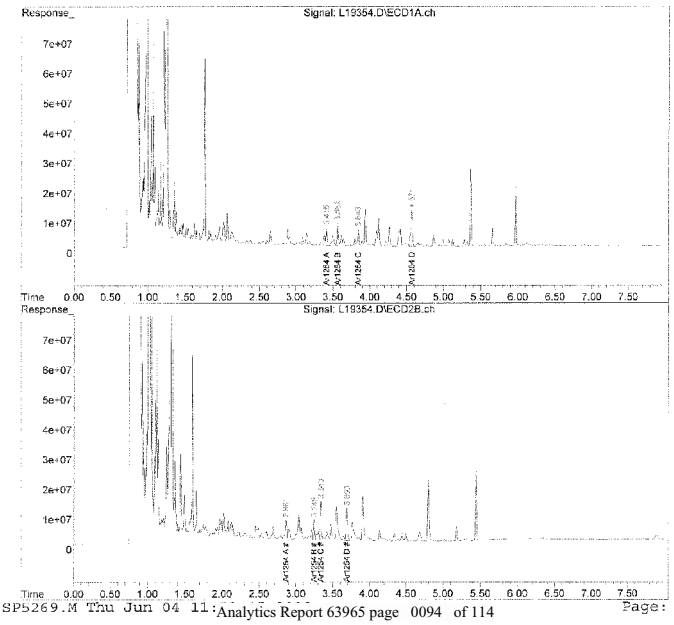
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\060409-L\
Data File : L19354.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Jun 09 10:41 am
Operator :
Sample : 63965-25
Misc : SOIL
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 11:58:44 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



54SP5269.M Thu Jun 04 11:58:44 2009 Page: 2

analytics environmental laboratory, LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-920-9909

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC25

SAMPLE DATA

Lab Sample ID: 63965-26
Matrix: Solid
Percent Solid: 97
Dilution Factor: 1.0
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/02/09
Analysis Date: 06/04/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**115**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	69	%
Decachlorobiphenyl	57	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature _____

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Sample: 63965-26
Data File: L19355.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	99	115	14.6	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

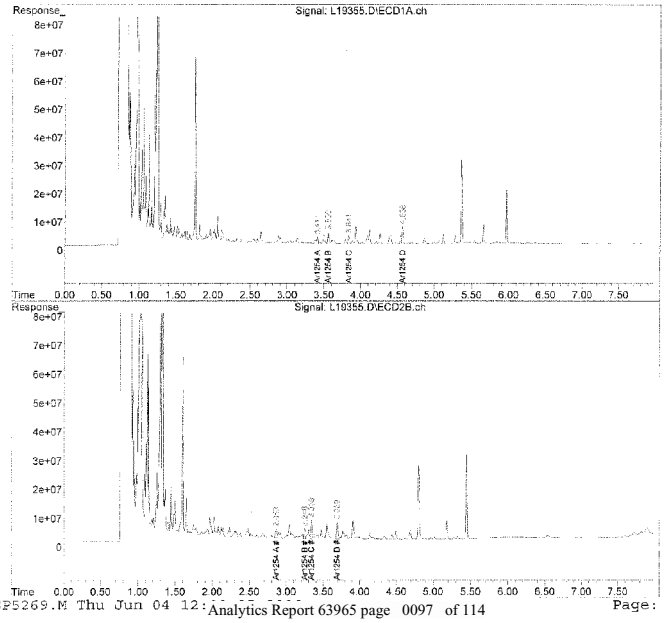
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\060409-L\
Data File : L19355.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Jun 09 10:51 am
Operator :
Sample : 63965-26
Misc : SOIL
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 04 12:00:24 2009
Quant Method : C:\msdchem\1\METHODS\54SP5269.M
Quant Title :
QLast Update : Wed Jun 03 14:33:06 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-6111 Fax 603-433-2181
800-924-9966

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 4, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: EB-01

SAMPLE DATA

Lab Sample ID: 63965-27
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 06/01/09
Lab Receipt Date: 06/01/09
Extraction Date: 06/02/09
Analysis Date: 06/02/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	88	%
Decachlorobiphenyl	60	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB Report

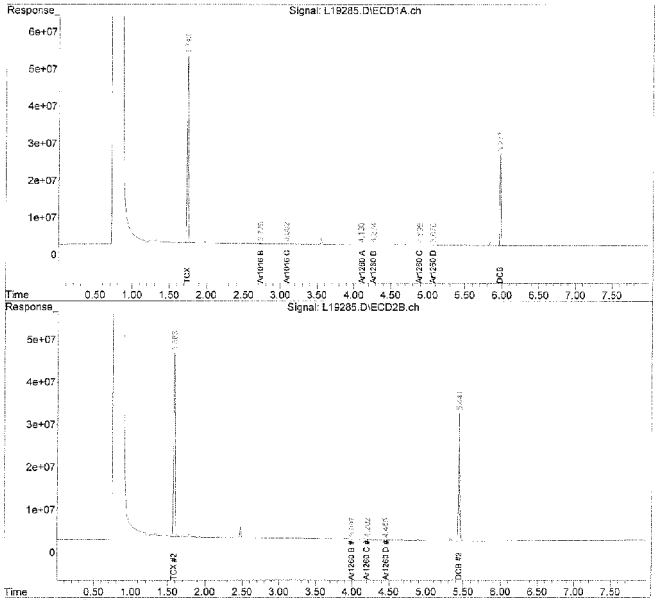
Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\060209-L\
Data File : L19285.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Jun 09 5:09 pm
Operator :
Sample : 63965-27
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jun 03 07:23:57 2009
Quant Method : C:\msdchem\1\METHODS\PB05269.M
Quant Title : Aroclor 1016/1260
QLast Update : Wed May 27 07:25:55 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 3 ul
Signal #1 Phase : DB-1701 Widebore Signal #2 Phase: DB-5 Widebore
Signal #1 Info : 0.53 mm , 1.0um f Signal #2 Info : 0.53 mm, 1.5um film



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PCB
QC FORMS

Analytical LLC:AEL Documents LLC:Pkg Dividers:PCBQC.doc

PCB AQUEOUS
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B06029PW	79		66		78		67	
L06029PWB	78		55		77		56	
LD06029PWB	82		66		80		67	
63965-27	88		60		87		61	

	Lower Limit	Upper Limit
SMC #1 = TCX	46	122
SMC #2 = DCB	40	135

Column to be used to flag recovery values outside of QC limits
+ Values outside QC limits
D System Monitoring Compound diluted out

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B06019PSOX,,A/C	95		83		96		82	
L06019PSOX,,A/C	91		84		96		82	
LD06019PSOX,,A/C	91		86		98		84	
63965-3	83		75		71		69	
63965-14	65		73		70		70	
63965-9	75		73		85		58	
63965-17	73		67		70		62	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B06019PSOX,RR,,A/C	93		82		98		81	
63965-5	75		73		87		69	
63965-13	78		72		75		68	
63965-15	70		71		75		69	
63965-11	65		71		68		67	
63965-2,1:20	D		D		D		D	
63963-8	70		64		73		59	
63965-19,1:10	70		125		71		63	
63965-12,,A/C	58		55		61		54	
63965-6,1:2,,A/C	52		80		59		46	
63965-10,1:2,,A/C	42		72		41		44	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B06029PSOX,,A/C	92		83		89		77	
L06029PSOX,,A/C	89		79		91		77	
LD06029PSOX,,A/C	88		81		94		78	
63965-22,,A/C	57		68		55		64	
63965-25	65		50		62		49	
63965-26	69		57		70		57	
63965-4,RX	70		63		68		58	
63965-23	74		64		77		58	
63965-24,1:5	56		52		49		44	
63965-4,1:10	86		70		67		48	
63965-20,,A/C	63		67		69		51	
63965-21,,A/C	53		53		57		49	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B06039PAS,RR,,A/C	99		77		93		77	
63965-16	56		64		91		46	
63965-1,MS,1:10	59		104		38	*	44	
63965-1,MSD,1:10	55		84		23	*	40	*
63965-18, 1:5	87		81		85		61	
63965-7, 1:2	102		79		100		74	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB AQUEOUS
LABORATORY CONTROLLABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Non-spiked sample: B06039PA
Spike: LD06039PWB
Spike duplicate: LD06039PAVB

COMPOUND	LCS SPIKE ADDED (ug/L)	LCSD SPIKE ADDED (ug/L)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
PCB 1016	2.0	2.0	79	113	25	0.00	1.82	91		1.87	94		2.6	
PCB 1260	2.0	2.0	58	115	25	0.00	1.81	90		1.88	94		3.9	
PCB 1016 #2	2.0	2.0	81	112	25	0.00	1.73	87		1.77	89		2.4	
PCB 1260 #2	2.0	2.0	54	123	25	0.00	1.80	90		1.86	93		3.4	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

LCS/LCSD spike added values have been volume adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

PCB FORM 3

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Non-spiked sample: B06039PSOX,,A/C
Spike: LD6039PSOX,,A/C
Spike duplicate: LD6039PSOX,,A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	202	101		199	99		1.4	
PCB 1260	200	200	60	130	30	0	203	100		203	102		1.5	
PCB 1016 #2	200	200	65	140	30	0	276	138		246	123		11.8	
PCB 1260 #2	200	200	60	130	30	0	192	96		195	97		1.7	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

PCB FORM 3

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 63965
Non-spiked sample: B06029PSOX ,A/C
Spike: LD6039PSOX,,A/C
Spike duplicate: LD06029PSOX,,A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	186	93		188	94		1.3	
PCB 1260	200	200	60	130	30	0	188	94		193	96		2.5	
PCB 1016 #2	200	200	65	140	30	0	202	101		226	113		10.5	
PCB 1260 #2	200	200	60	130	30	0	181	90		179	89		1.0	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

PCB FORM 3

PCB SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: L

GC Column #1: STX-CL Pesticides 1

Column ID: 0.25 mm

GC Column #2: STX-CL Pesticides 1

Column ID: 0.25 mm

SDG: 63965

Non-spiked sample: 63965-1.1.10

Spike: 63965-1.MS.1.10

Spike duplicate: 63965-1.MSD.1.10

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	*	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	*	RPD	*
PCB-1016	268	206	65	140	30	0	662	318	*	511	249	*	25.6	
PCB-1260	268	206	60	130	30	0	857	412	*	677	329	*	23.5	
PCB-1016 #2	208	206	65	140	30	0	180	87		139	67		26.8	
PCB-1260 #2	208	206	60	130	30	0	454	218	*	379	184	*	17.9	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

MS/MSD spike added values have been weight adjusted

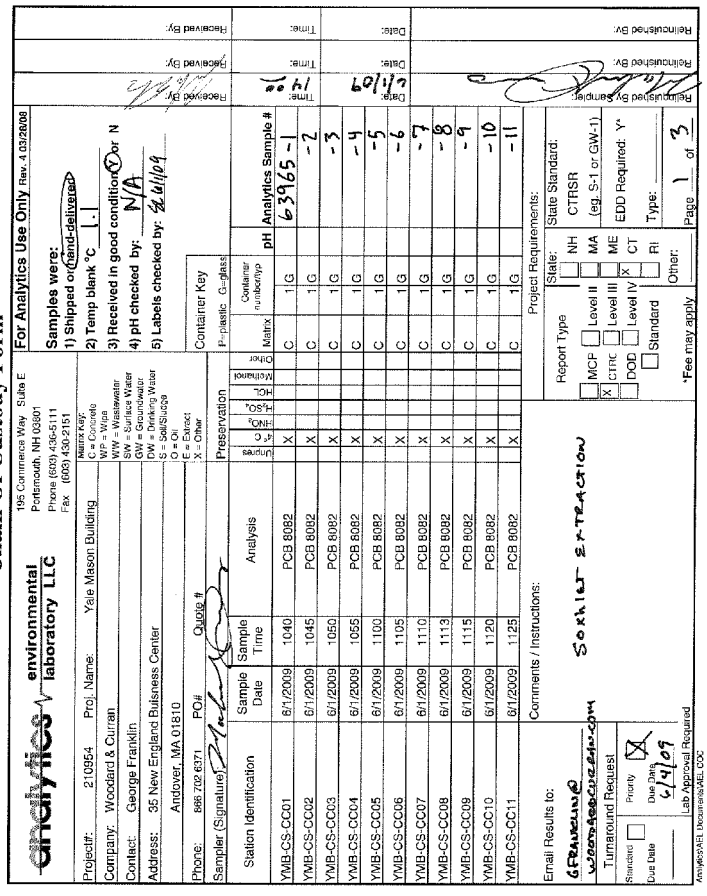
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

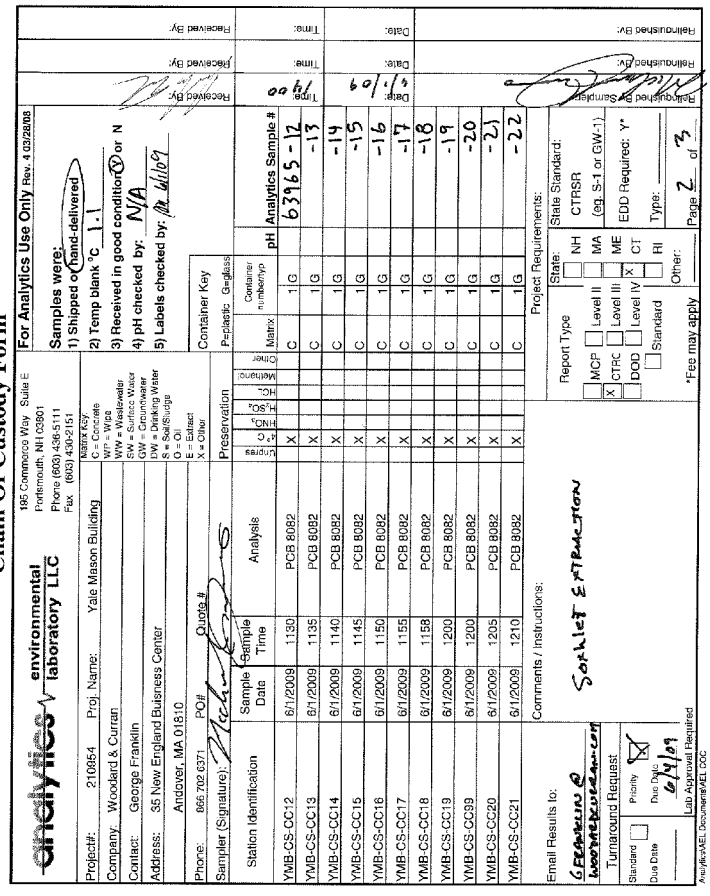
Comments: _____

PCS FORM 3

CHAIN OF CUSTODIES

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:COC.doc





Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

Project#: 210954 Proj. Name: Yale Mason Building
Company: Woodard & Curran
Contact: George Franklin
Address: 35 New England Business Center
Andover, MA 01810
Phone: 866 702 6371 PO# Quote #
Sampler (Signature): [signature]

Matrix Key: C = Concrete, WP = Wipe, WW = Wastewater, SW = Surface Water, GW = Groundwater, DW = Drinking Water, S = Soil/Sludge, O = Oil, E = Extract, X = Other - DI WATER

Container Key: P=plastic G=glass

For Analytics Use Only Rev. 4 03/28/08
Samples were:
1) Shipped or (hand-delivered)
2) Temp blank °C 1.1
3) Received in good condition (Y) or N
4) pH checked by: NF 6/1/09
5) Labels checked by: [initials] 6/1/09

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4 °C	HNO_3	H_2SO_4	HCl	Methanol	Other	Matrix	Container number/type	pH	Analytics Sample #
YMB-CS-CC22	6/1/2009	1215	PCB 8082		X						C	1 G		63965-23
YMB-CS-CC23	6/1/2009	1220	PCB 8082		X						C	1 G		-24
YMB-CS-CC24	6/1/2009	1225	PCB 8082		X						C	1 G		-25
YMB-CS-CC25	6/1/2009	1230	PCB 8082		X						C	1 G		-26
EB-01	6/1/2009	1245	PCB 8082		X						X	1 G	6.0	-27

Relinquished By Sampler: [signature] Date: 6/1/09 Time: 1400 Received By: [signature]
Relinquished By: Date: Time: Received By:
Relinquished By: Date: Time: Received By:

Comments / Instructions: Soxhlet EXTRACTION. Amber liter for PCB8082 (EB-01) tested neg. for residual chlorine with KI paper. NF 6/1/09

Email Results to: GFRANKLIN@WOODARDCURRAN.COM

Turnaround Request: Standard [ ] Due Date; Priority [X] Due Date 6/4/09

Project Requirements:
Report Type: MCP [ ], CTRC [X], DOD [ ]; Level II [ ], Level III [ ], Level IV [ ]; Standard [ ]
State: NH [ ], MA [ ], ME [ ], CT [X], RI [ ]; Other:
State Standard: CTRSR (eg. S-1 or GW-1)
EDD Required: Y* Type:
*Fee may apply
Page 3 of 3
Lab Approval Required

Analytics\AEL Documents\AEL COC

analytics environmental laboratory LLC

ANALYTICS SAMPLE RECEIPT CHECKLIST

AEL LAB#: 63965 COOLER NUMBER:
CLIENT: Woodard + Curran Andover NUMBER OF COOLERS: 1
PROJECT: Yale Mason Building DATE RECEIVED: 6/1/09

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 6/1/09

1. Cooler received by(initials) JF Date Received: 6-1-09 JF
2. Circle one: (Hand delivered) (If so, skip 3) Shipped
3. Did cooler come with a shipping slip? Y N
   3a. Enter carrier name and airbill number here:
4. Were custody seals on the outside of cooler? Y (N/A)
   How many & where: Seal Date: Seal Name:
5. Did the custody seals arrive unbroken and intact upon arrival? ~~(Y)~~ NF 6/1/09 (N/A)
6. COC#:
7. Were Custody papers filled out properly (ink,signed, etc)? (Y) N
8. Were custody papers sealed in a plastic bag? (Y) N
9. Did you sign the COC in the appropriate place? (Y) N
10. Was the project identifiable from the COC papers? (Y) N
11. Was enough ice used to chill the cooler? (Y) N Temp. of cooler: 1.1°C

B. Log-In: Date samples were logged in: 6/1/09 By: NF

12. Type of packing in cooler(bubble wrap, popcorn) — (bubble wrap) circled
13. Were all bottles sealed in separate plastic bags? (Y) N
14. Did all bottles arrive unbroken and were labels in good condition? (Y) N
15. Were all bottle labels complete(ID,Date,time,etc.)* (Y) N
16. Did all bottle labels agree with custody papers? (Y) N
17. Were the correct containers used for the tests indicated: (Y) N
18. Were samples received at the correct pH? (Y) N
19. Was sufficient amount of sample sent for the tests indicated? (Y) N
20. Were bubbles absent in VOA samples? Y (N/A)
    If NO, List sample #'s:
21. Laboratory labeling verified by (initials): SC Date: 6/1/09

* 63965-13-A was labeled "YMB-CS-CC14" but had the date and time that match "YMB-CS-CC13" on the chain. ~~Called~~ emailed George Franklin ... ple as YMB-CS-CC13 as per email from GF ... 6/2/09

C:\ANALYTICS LLC\AEL DOCUMENTS\FORMS\SMPL CHKLST ... Rev. 1, 4/9/09

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

June 16, 2009

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

RE: Analytical Results Case Narrative
Analytics # 64062
Yale Mason Bldg.
Proj# 210954

Dear Mr. Franklin;

Enclosed please find the analytical results for samples submitted for the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed Polychlorinated Biphenyls (PCBs) by EPA Method 8082.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level II data package has been assembled in the following order:

Case Narrative/Non-Conformance Summary
Sample Log Sheet - Cover Page
CT Certification Page
PCB Form 1 Data Sheet for Samples and Blanks
Chromatograms
PCB Form 10 Confirmation Results
PCB Form 3 MS/MSD (LCS) Recoveries
Chain of Custody (COC) Forms

QC NON-CONFORMANCE SUMMARY

Sample Receipt:
No exceptions.

PCBs by EPA Method 8082:
Samples 64062-2, 64062-5, 64062-6, 64062-7 and 64062-8 required dilution due to matrix affect or PCB concentrations in the sample.

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

Report Number: 64062
Revision: Rev. 0

Re: Yale Mason Building **210954**

Enclosed are the results of the analyses on your sample(s). Samples were received on 11 June 2009 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
64062-1	06/10/09	YMB-CS-CC01A	EPA 8082 (PCBs only)	
64062-2	06/10/09	YMB-CS-CC02A	EPA 8082 (PCBs only)	
64062-3	06/10/09	YMB-CS-CC03A	EPA 8082 (PCBs only)	
64062-4	06/10/09	YMB-CS-CC01B	EPA 8082 (PCBs only)	
64062-5	06/10/09	YMB-CS-CC02B	EPA 8082 (PCBs only)	
64062-6	06/10/09	YMB-CS-CC01C	EPA 8082 (PCBs only)	
64062-7	06/10/09	YMB-CS-CC99	EPA 8082 (PCBs only)	
64062-8	06/10/09	YMB-CS-CC02C	EPA 8082 (PCBs only)	
64062-9	06/10/09	EB-01	EPA 8082 (PCBs only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Maryland, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature
Stephen L. Knollmeyer Lab. Director
Date 6/12/2009

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC ***Client:*** Woodard & Curran
Project Location: Yale Mason Building ***Project Number:*** 64062
Sampling Date(s): 06/10/2009
Laboratory Sample ID(s): 64062-1 through 64062-9

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	☒ Yes	☐ No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody documents(s)?	☒ Yes	☐ No
3	Were samples received at an appropriate temperature (4° C ± 2°)? If no, the attached narrative should include any explanation as the acceptability of samples received at other temperatures.	☒ Yes	☐ No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	☒ Yes	☐ No
5	Were reporting limits specified on the chain-of-custody met?	☒ Yes	☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documantes?	☒ Yes	☐ No
7	Are project-specific QC samples included in this data set?	☐ Yes	☒ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1 is "No", the data package does not meet the requirments for 'Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete

Authorized Signature: **Position:** Laboratory Director

Printed Name: Stephen Knollmeyer **Date:** June 16, 2009

Surrogate Compound Limits

Matrix: / Units:	Aqueous % Recovery	Solid % Recovery	Method
Volatile Organic Compounds - Drinking Water			
1,4-Difluorobenzene	70-130		EPA 524.2
Bromofluorobenzene	70-130		
1,2-Dichlorobenzene-d4	70-130		
Volatile Organic Compounds			
1,2-Dichloroethane-d4	70-120	70-120	EPA 624/8260B
Toluene-d8	85-120	85-120	
Bromofluorobenzene	75-120	75-120	
Semi-Volatile Organic Compounds			
2-Fluorophenol	20-110	35-105	EPA 625/8270C
d5-Phenol	15-110	40-100	
d5-nitrobenzene	40-110	35-100	
2-Fluorobiphenyl	50-110	45-105	
2,4,6-Tribromophenol	40-110	40-125	
d14-p-terphenyl	50-130	30-125	
PAH's by SIM			
d5-nitrobenzene	21-110	35-110	EPA 8270C
2-Fluorobiphenyl	36-121	45-105	
d14-p-terphenyl	33-141	30-125	
Pesticides and PCBs			
2,4,5,6-Tetrachloro-m-xylene (TCX)	46-122	40-130	EPA 608/8082
Decachlorobiphenyl (DCB)	40-135	40-130	
Herbicides			
Dichloroacetic acid (DCAA0	30-150	30-150	
Gasoline Range Organics/TPH Gasoline			
Trifluorotoluene TFT (FID)	60-140	60-140	MEDEP 4217/EPA 8015
Bromofluorobenzene (BFB) (FID)	60-140	60-140	
Trifluorotoluene TFT (PID)	60-140	60-140	
Bromofluorobenzene (BFB) (PID)	60-140	60-140	
Diesel Range Organics/TPH Diesel			
m-terphenyl	60-140	60-140	MEDEP 4125/EPA 8015/CT ETPH

PCB
DATA SUMMARIES

analytics environmental laboratory LLC
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-566-9908

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 12, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: Lab QC

SAMPLE DATA

Lab Sample ID: B06119PSOX
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 06/11/09
Analysis Date: 06/12/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	94	%
Decachlorobiphenyl	75	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

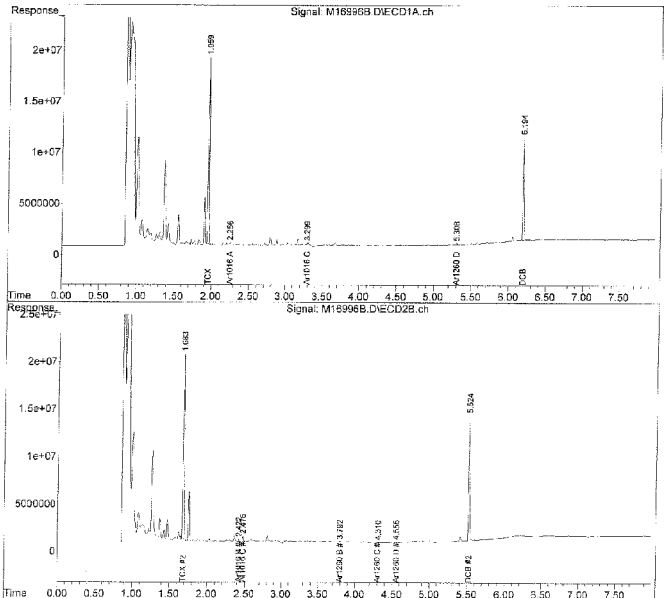
Authorized signature

Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\061209-M\
Data File : M16996B.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 12 Jun 2009  10:33 am
Operator  :
Sample    : B06119PSOX,,A/C
Misc      : SOIL
ALS Vial  : 53   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 10:44:45 2009
Quant Method : C:\msdchem\1\METHODS\PCB06039.M
Quant Title  : Aroclor 1016/1260
QLast Update : Fri Jun 12 09:57:25 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-433-2151
800-929-9906

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 15, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: Lab QC

Lab Sample ID: B06109PAS RR
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 06/10/09
Analysis Date: 06/15/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	83	%
Decachlorobiphenyl	62	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

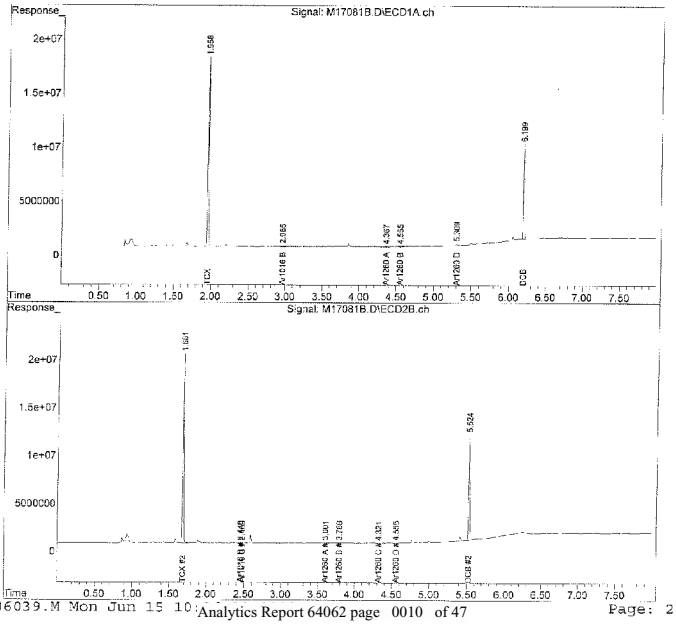
Authorized signature

Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\061509-M\
Data File : M17081B.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 15 Jun 2009   9:21 am
Operator  :
Sample    : B06109PAS,RR,,A/C
Misc      : SOIL
ALS Vial  : 76   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 15 10:26:32 2009
Quant Method : C:\msdchem\1\METHODS\PCB06039.M
Quant Title  : Aroclor 1016/1260
QLast Update : Fri Jun 12 09:57:25 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-433-2151
800-929-9906

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 16, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: Lab QC

Lab Sample ID: B06159PW
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 06/15/09
Analysis Date: 06/15/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	71	%
Decachlorobiphenyl	71	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB Report

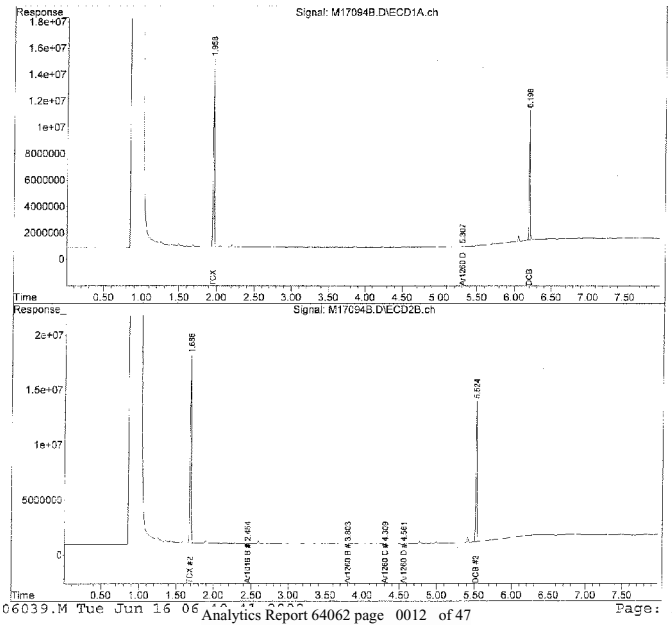
Authorized signature

Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\061509-M\
Data File : M17094B.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 15 Jun 2009   4:29 pm
Operator  :
Sample    : B06159PW
Misc      :
ALS Vial  : 2   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 16 06:40:41 2009
Quant Method : C:\msdchem\1\METHODS\PCB06039.M
Quant Title  : Aroclor 1016/1260
QLast Update : Fri Jun 12 09:57:25 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



analytics environmental laboratory LLC
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-436-8151
800-929-9906

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 12, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC01A

Lab Sample ID: 64062-1
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 06/10/09
Lab Receipt Date: 06/11/09
Extraction Date: 06/11/09
Analysis Date: 06/12/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	65	%
Decachlorobiphenyl	60	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

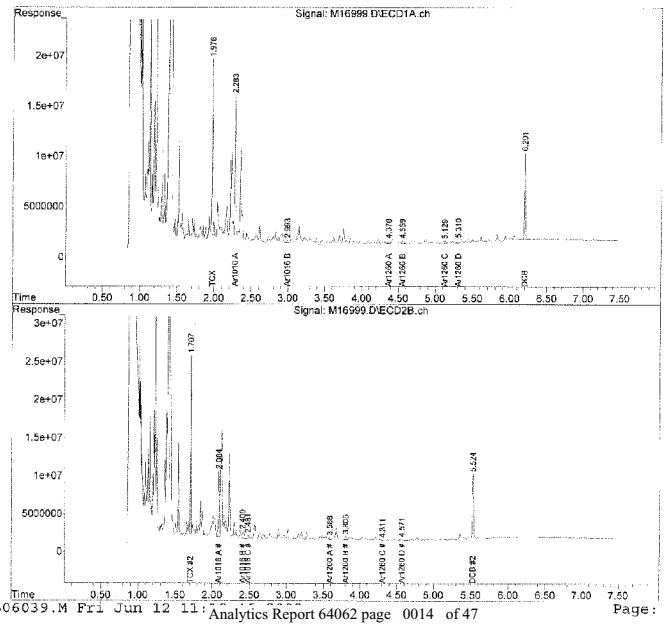
Authorized signature

Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\1\DATA\061209-M\
Data File : M16999.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 12 Jun 2009  11:09 am
Operator  :
Sample    : 64062-1
Misc      : SOIL
ALS Vial  : 56   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 11:19:32 2009
Quant Method : C:\msdchem\1\METHODS\PCB06039.M
Quant Title  : Aroclor 1016/1260
QLast Update : Fri Jun 12 09:57:25 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



PCB06039.M Fri Jun 12 11:

Page: 2

analytics environmental laboratory LLC
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-436-8151
800-929-9906

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 15, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC02A

Lab Sample ID: 64062-2
Matrix: Solid
Percent Solid: 96
Dilution Factor: 204
Collection Date: 06/10/09
Lab Receipt Date: 06/11/09
Extraction Date: 06/11/09
Analysis Date: 06/12/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	6730	U
PCB-1221	6730	U
PCB-1232	6730	U
PCB-1242	6730	U
PCB-1248	6730	U
PCB-1254	6730	**160000**
PCB-1260	6730	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	*	%
Decachlorobiphenyl	*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64062
Sample: 64062-2, 1:200.,A/C
Data File: M17011.D
Dilution Factor: 203.6

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	159718	128786	21.4	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

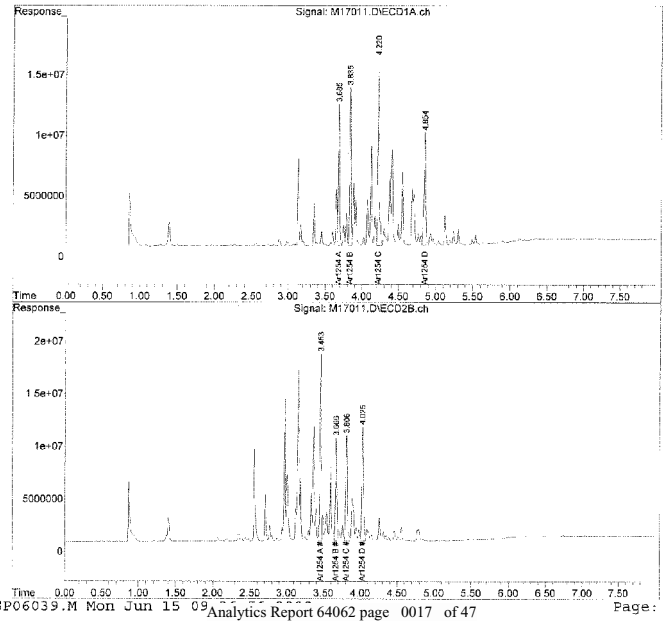
PCB FORM 10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\061209-M\
Data File : M17011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jun 2009 2:04 pm
Operator :
Sample : 64062-2, 1:200,,A/C
Misc : SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 15 09:36:49 2009
Quant Method : C:\msdchem\1\METHODS\54SP06039.M
Quant Title :
QLast Update : Thu Jun 04 13:12:09 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-3151
800-787-9936

Mr. George Franklin
Woodard & Curran
55 NE Business Center Suite 180
Andover MA 01810

June 12, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC03A

SAMPLE DATA

Lab Sample ID: 64062-3
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 06/10/09
Lab Receipt Date: 06/11/09
Extraction Date: 06/11/09
Analysis Date: 06/12/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**119**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	74	%
Decachlorobiphenyl	54	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64062
Sample: 64062-3,,A/C
Data File: M17004.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	117	119	1.7	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

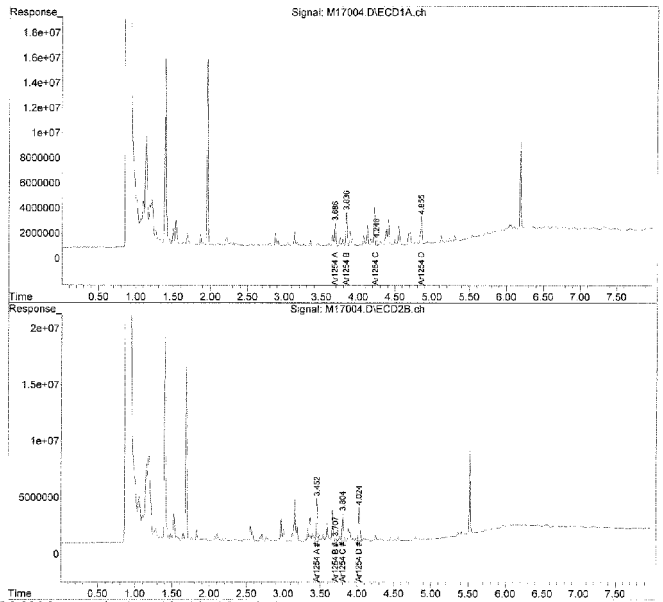
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\061209-M\
Data File : M17004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jun 2009 11:59 am
Operator :
Sample : 64062-3,,A/C
Misc : SOIL
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 12:12:48 2009
Quant Method : C:\msdchem\1\METHODS\54SP06039.M
Quant Title :
QLast Update : Thu Jun 04 13:12:09 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-969-9956

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 12, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building

Project Number: 210954

Field Sample ID: YMB-CS-CC01B

SAMPLE DATA

Lab Sample ID: 64062-4
Matrix: Solid
Percent Solid: 97
Dilution Factor: 1.0
Collection Date: 06/10/09
Lab Receipt Date: 06/11/09
Extraction Date: 06/11/09
Analysis Date: 06/12/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**112**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	82	%
Decachlorobiphenyl	68	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64062
Sample: 64062-4,,A/C
Data File: M17000.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	100	112	10.7	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

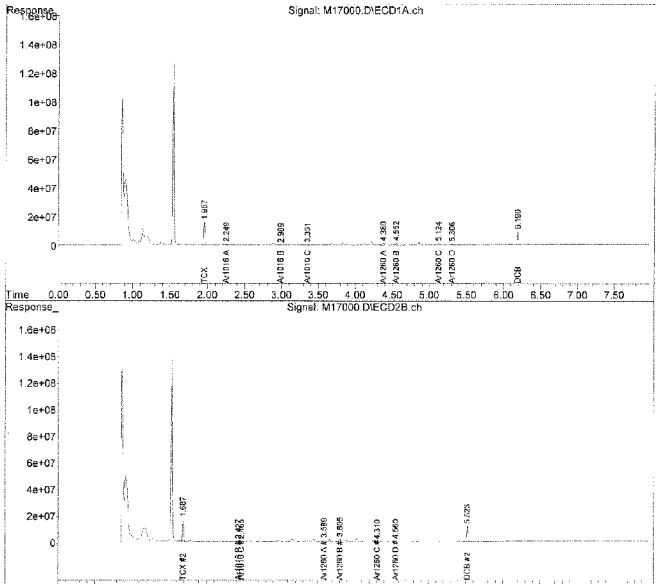
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\061209-M\
Data File : M17000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jun 2009 11:19 am
Operator :
Sample : 64062-4,,A/C
Misc : SOIL
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 11:27:50 2009
Quant Method : C:\msdchem\1\METHODS\PCB06039.M
Quant Title : Aroclor 1016/1260
QLast Update : Fri Jun 12 09:57:25 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-969-9956

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 15, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building

Project Number: 210954

Field Sample ID: YMB-CS-CC02B

SAMPLE DATA

Lab Sample ID: 64062-5
Matrix: Solid
Percent Solid: 94
Dilution Factor: 11
Collection Date: 06/10/09
Lab Receipt Date: 06/11/09
Extraction Date: 06/11/09
Analysis Date: 06/12/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	360	U
PCB-1221	360	U
PCB-1232	360	U
PCB-1242	360	U
PCB-1248	360	U
PCB-1254	360	**7260**
PCB-1260	360	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	97	%
Decachlorobiphenyl	67	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64062
Sample: 64062-5, 1:10,,A/C
Data File: M17009.D
Dilution Factor: 10.5

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	6569	7262	10.0	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

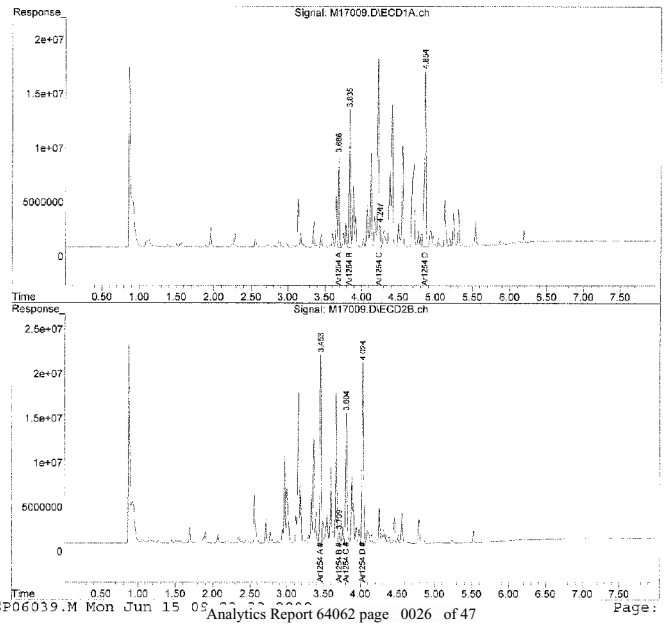
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\061209-M\
Data File : M17009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jun 2009 1:44 pm
Operator :
Sample : 64062-5, 1:10,,A/C
Misc : SOIL
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 15 09:23:33 2009
Quant Method : C:\msdchem\1\METHODS\54SP06039.M
Quant Title :
QLast Update : Thu Jun 04 13:12:09 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory llc

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-927-9709

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 15, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC01C

SAMPLE DATA

Lab Sample ID: 64062-6
Matrix: Solid
Percent Solid: 96
Dilution Factor: 102
Collection Date: 06/10/09
Lab Receipt Date: 06/11/09
Extraction Date: 06/11/09
Analysis Date: 06/12/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	3370	U
PCB-1221	3370	U
PCB-1232	3370	U
PCB-1242	3370	U
PCB-1248	3370	U
PCB-1254	3370	**72100**
PCB-1260	3370	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene * %
Decachlorobiphenyl * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature _____

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64062
Sample: 64062-6, 1:100,,A/C
Data File: M17010.D
Dilution Factor: 101.5

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	72131	53077	30.4	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

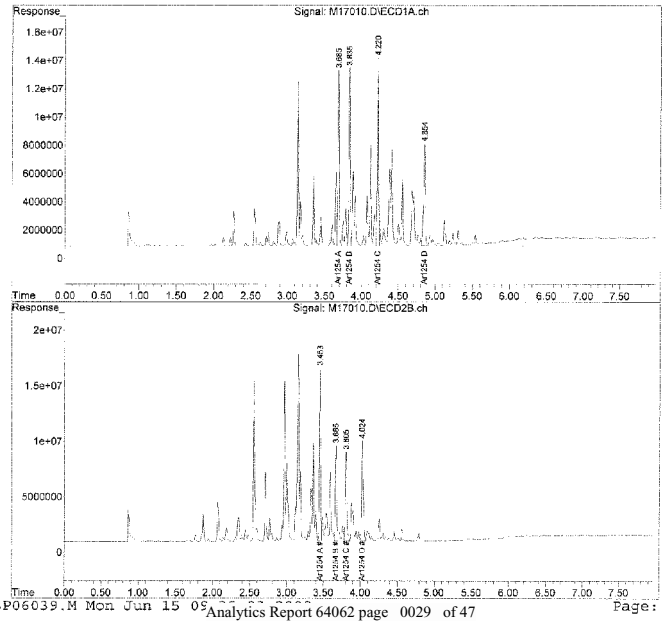
PCB FORM 10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\061209-M\
Data File : M17010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jun 2009 1:54 pm
Operator :
Sample : 64062-6, 1:100,,A/C
Misc : SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 15 09:34:53 2009
Quant Method : C:\msdchem\1\METHODS\54SP06039.M
Quant Title :
QLast Update : Thu Jun 04 13:12:09 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-433-2161
800-924-9908

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 15, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC99

SAMPLE DATA

Lab Sample ID: 64062-7
Matrix: Solid
Percent Solid: 96
Dilution Factor: 99
Collection Date: 06/10/09
Lab Receipt Date: 06/11/09
Extraction Date: 06/11/09
Analysis Date: 06/15/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	3270	U
PCB-1221	3270	U
PCB-1232	3270	U
PCB-1242	3270	U
PCB-1248	3270	U
PCB-1254	3270	**86400**
PCB-1260	3270	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene * %
Decachlorobiphenyl * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64062
Sample: 64062-7,1:100,,A/C
Data File: M17082.D
Dilution Factor: 99.1

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	86394	64873	28.5	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

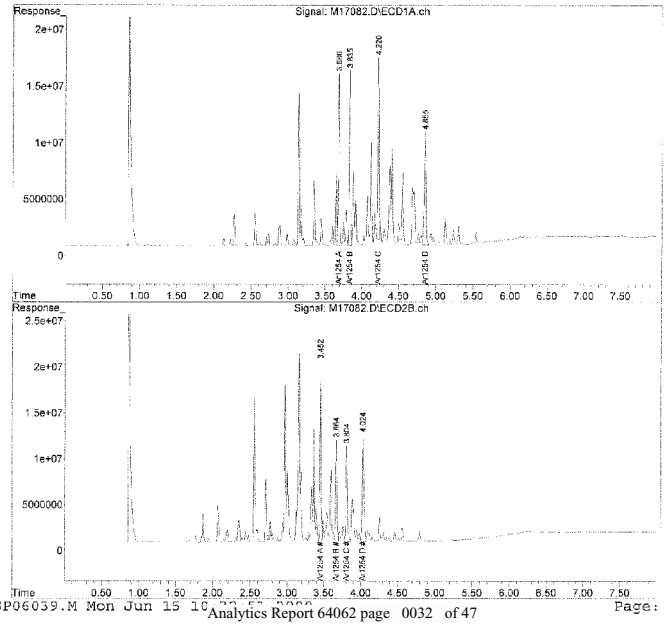
PCB FORM 10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\061509-M\
Data File : M17082.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jun 2009 9:31 am
Operator :
Sample : 64062-7,1:100,,A/C
Misc : SOIL
ALS Vial : 77 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 15 10:32:36 2009
Quant Method : C:\msdchem\1\METHODS\54SP06039.M
Quant Title :
QLast Update : Thu Jun 04 13:12:09 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9556

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 15, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-CS-CC02C

Lab Sample ID: 64062-8
Matrix: Solid
Percent Solid: 96
Dilution Factor: 11
Collection Date: 06/10/09
Lab Receipt Date: 06/11/09
Extraction Date: 06/11/09
Analysis Date: 06/12/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	360	U
PCB-1221	360	U
PCB-1232	360	U
PCB-1242	360	U
PCB-1248	360	U
PCB-1254	360	**5410**
PCB-1260	360	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	102	%
Decachlorobiphenyl	74	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64062
Sample: 64062-8, 1:10,,A/C
Data File: M17008A.D
Dilution Factor: 10.5

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	4824	5406	11.4	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

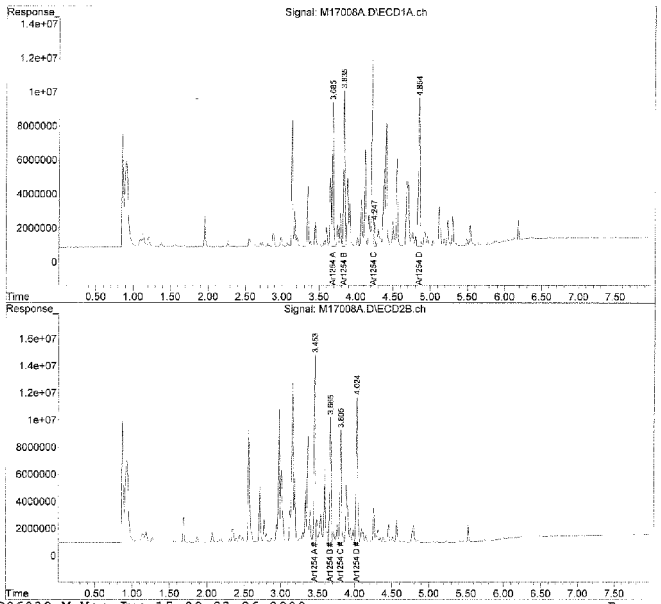
PCB FORM 10

Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\061209-M\
Data File : M17008A.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 12 Jun 2009   1:34 pm
Operator  :
Sample    : 64062-8, 1:10,,A/C
Misc      : SOIL
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 15 09:23:25 2009
Quant Method : C:\msdchem\1\METHODS\54SP06039.M
Quant Title  :
QLast Update : Thu Jun 04 13:12:09 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9556

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 16, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: EB-01

Lab Sample ID: 64062-9
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 06/10/09
Lab Receipt Date: 06/11/09
Extraction Date: 06/15/09
Analysis Date: 06/15/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	65	%
Decachlorobiphenyl	61	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB Report

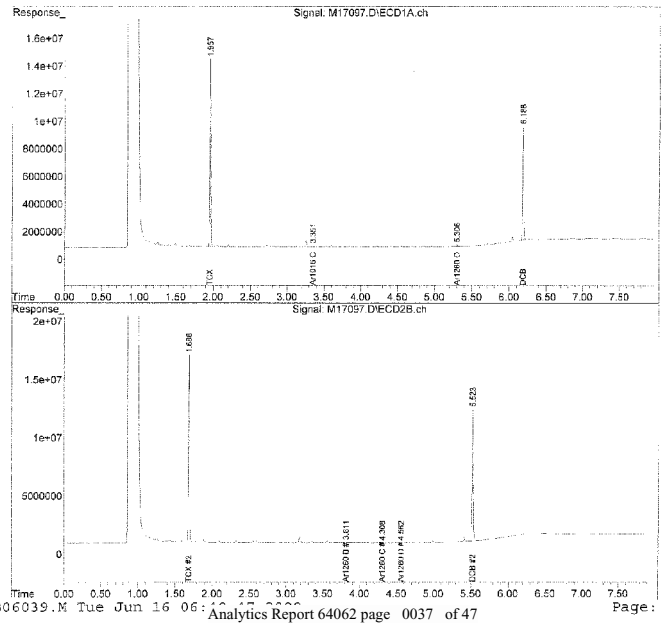
Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\061509-M\
Data File : M17097.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jun 2009 4:59 pm
Operator :
Sample : 64062-9
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 16 06:40:47 2009
Quant Method : C:\msdchem\1\METHODS\PCB06039.M
Quant Title : Aroclor 1016/1260
QLast Update : Fri Jun 12 09:57:25 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics Environmental Laboratory, LLC

PCB
QC FORMS

AnalyticsLLC.AEL Documents I.J.C:Pkg Dividers:PCBQC.doc

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I SDG: 64062
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B06119PSOX,,A/C	94		75		88		77	
L06119PSOX,,A/C	90		77		92		80	
LD06119PSOX,,A/C	96		80		95		82	
64062-1	65		60		56		51	
64062-4,,A/C	82		68		75		65	
64062-2	53		49		53		42	
64062-3,,A/C	74		54		69		47	
64062-8, 1:10,,A/C	120		95		102		74	
64062-5, 1:10,,A/C	118		91		97		67	
64062-6, 1:100,,A/C	D		D		D		D	
64062-2, 1:200,,A/C	D		D		D		D	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I SDG: 64062
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B06109PAS,RR,,A/C	83		62		82		63	
64062-7,1:100,,A/C	D		D		D		D	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB AQUEOUS
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64062

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B06159PW	71		71		74		73	
L06159PWB	74		76		76		81	
LD06159PWB	72		69		73		74	
64062-9	65		61		66		66	

	Lower Limit	Upper Limit
SMC #1 = TCX	46	122
SMC #2 = DCB	40	135

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB FORM 3

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64062
Non-spiked sample: B06159PSOX,,A/C
Spike: L06159PSOX,,A/C
Spike duplicate: LD06159PSOX,,A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	201	101		200	100		0.6	
PCB 1260	200	200	60	130	30	0	201	101		201	101		0.1	
PCB 1016 #2	200	200	65	140	30	0	219	110		237	119		7.9	
PCB 1260 #2	200	200	60	130	30	0	216	108		215	107		0.6	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

PCB FORM 3

PCB AQUEOUS
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64062
Non-spiked sample: B06159PW
Spike: L06159PWB
Spike duplicate: LD06159PWB

COMPOUND	LCS SPIKE ADDED (ug/L)	LCSD SPIKE ADDED (ug/L)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
PCB 1016	2.0	2.0	79	115	25	0.00	1.86	93		1.80	90		3.1	
PCB 1260	2.0	2.0	58	115	25	0.00	2.01	101		1.86	93		7.9	
PCB 1016 #2	2.0	2.0	80	117	25	0.00	1.83	92		1.79	89		2.5	
PCB 1260 #2	2.0	2.0	54	123	25	0.00	2.23	112		2.03	102		9.4	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

LCS/LCSD spike added values have been volume adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

PCB FORM 3

analytics environmental laboratory llc

CHAIN OF CUSTODIES

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 2.6
3) Received in good condition Or N
4) pH checked by: JK 6/11/09
5) Labels checked by: DM 6/11/09

Project#: 210954 Proj. Name: Yale Mason Building
Company: Woodard & Curran
Contact: George Franklin
Address: 35 New England Business Center
Andover, MA 01810
Phone: 866 702 6571 PO#
Sampler (Signature): Quote #

Matrix Key: C = Concrete, WP = Wipe, WW = Wastewater, SW = Surface Water, GW = Groundwater, DW = Drinking Water, S = Soil/Sludge, O = Oil, E = Extract, X = Other

Container Key: P-plastic, G-glass

Preservation: Numbers, °C, H_2SO_4, HNO3, HCL, Methanol, Other

Station Identification	Sample Date	Sample Time	Analysis	Matrix	Container number/type	pH	Analytics Sample #
YMB-CS-CC01A	6/10/09	1155	PCB 8082	C	1G		64062 - 1
YMB-CS-CC02A	6/10/09	1200	PCB 8082	C	1G		2
YMB-CS-CC03A	6/10/09	1205	PCB 8082	C	1G		3
YMB-CS-CC01B	6/10/09	1210	PCB 8082	C	1G		4
YMB-CS-CC02B	6/10/09	1215	PCB 8082	C	1G		5
YMB-CS-CC01C	6/10/09	1220	PCB 8082	C	1G		6
YMB-CS-CC99	6/10/09	1220	PCB 8082	C	1G		7
YMB-CS-CC02C	6/10/09	1225	PCB 8082	C	1G		8
EB-01 *	6/10/09	1235	PCB 8082	DW	1G	5.5	9

Comments / Instructions: SOXHLET EXTRACTION METHOD
* Amber liter (-) for CL using KI paper - CP 6/11/09

Project Requirements:
State: NH MA ME CT RI
State Standard: CT RSR (eg. S-1 or GW-1)
EDD Required: Y Type:
Report Type: Level II, Level III, Level IV, Standard
MCP CTRC DOD
Other:
*Fees may apply

Email Results to: gfranklin@woodardcurran.com

Turnaround Request: Standard, Priority, Due Date, 48 HR, Lab Approval Required

Relinquished By: Date: 6/10/09 Time: 19:00 Received By:
Relinquished By: Date: 6/10/09 Time: 10:00 Received By:
Relinquished By: Date: Time: Received By:

Page 1 of 1

Analytics Report 64062 page 0045 of 47

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 64062
CLIENT: Woodard
PROJECT: Yale Mason Building

COOLER NUMBER:
NUMBER OF COOLERS: 1
DATE RECEIVED: 6/11/09

A: PRELIMINARY EXAMINATION:

DATE COOLER OPENED: 6/11/09

1. Cooler received by(initials) — Date Received: CP 6/11/09
2. Circle one: Hand delivered (If so, skip 3) — Shipped
3. Did cooler come with a shipping slip? (Y) N
   3a. Enter carrier name and airbill number here: FedEx 7966 8165 9585
4. Were custody seals on the outside of cooler? (Y) N
   How many & where: 1 Seal Date: N/A Seal Name: MJ
5. Did the custody seals arrive unbroken and intact upon arrival? (Y) N
6. COC#:
7. Were Custody papers filled out properly (ink,signed, etc)? (Y) N
8. Were custody papers sealed in a plastic bag? (Y) N
9. Did you sign the COC in the appropriate place? (Y) N
10. Was the project identifiable from the COC papers? (Y) N
11. Was enough ice used to chill the cooler? (Y) N — Temp. of cooler: 2.6°

B. Log-In: Date samples were logged in: 6/11/09 By: DP

12. Type of packing in cooler (bubble wrap, popcorn) (Y) N
13. Were all bottles sealed in separate plastic bags? Y (N)
14. Did all bottles arrive unbroken and were labels in good condition? (Y) N
15. Were all bottle labels complete(ID,Date,time,etc.) (Y) N
16. Did all bottle labels agree with custody papers? (Y) N
17. Were the correct containers used for the tests indicated: (Y) N
18. Were samples received at the correct pH? (Y) N
19. Was sufficient amount of sample sent for the tests indicated? (Y) N
20. Were bubbles absent in VOA samples? Y (N/A)
    If NO, List sample #'s:
21. Laboratory labeling verified by (initials): Date: DM 6/11/09

C:\ANALYTICS LLC\AEL DOCUMENTS\FORMS\SMPL CHKLST ... Rev. 1, 4/9/08

Analytics Report 64062 page 0046 of 47

Page 1 of 1

From: Origin ID: BNHA (203) 271-0379
MS. EMILY JACKSON
WOODARD & CURRAN INC
1520 HIGHLAND AVENUE
CHESHIRE, CT 06410

FedEx Express

Ship Date: 10JUN09
ActWgt: 15.0 LB
CAD: 2185858/INET9011
Account#: S

Delivery Address Bar Code

Ref # 210954
Invoice #
PO #
Dept #

SHIP TO: (603) 436-5111 BILL SENDER
Analytics Enviro Labs, LLC
Analytics Enviro Labs, LLC
195 COMMERCE WAY UNIT E

PORTSMOUTH, NH 03801

THU - 11JUN A2
TRK# 0201 7966 8165 9585
PRIORITY OVERNIGHT

03801
NH-US
MHT

03 PSMA

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Analytics Report 64062 page 0047 of 47

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

June 24, 2009

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

RE: Analytical Results Case Narrative
Analytics # 64132
Yale Mason Bldg.
Proj# 210954

Dear Mr. Franklin;

Enclosed please find the analytical results for samples submitted for the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed Polychlorinated Biphenyls (PCBs) by EPA Method 8082.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level II data package has been assembled in the following order:

Case Narrative/Non-Conformance Summary
Sample Log Sheet - Cover Page
CT Certification Page
PCB Form 1 Data Sheet for Samples and Blanks
Chromatograms
PCB Form 10 Confirmation Results
PCB Form 3 MS/MSD (LCS) Recoveries
Chain of Custody (COC) Forms

QC NON-CONFORMANCE SUMMARY

Sample Receipt:
No exceptions.

PCBs by EPA Method 8082:
Sample 64132-3 required dilution due to matrix affect or PCB concentrations in the sample.

The MS/MSD analyzed on sample 64132-3 had high recoveries and RPDs for PCB 1016 and PCB 1260 due to the concentrations of PCB 1254 detected in the parent sample. The MSD also had low Decachlorobiphenyl (DCB) surrogate recovery on column #2. Column #1 was in control for both surrogates. The laboratory control samples (L06229PSOX/LD06229PSOX) were in control for all analytes. Results were reported without qualification.

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

Report Number: 64132
Revision: Rev. 0

Re: Yale Mason Lab **210954**

Enclosed are the results of the analyses on your sample(s). Samples were received on 22 June 2009 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
64132-1	06/19/09	YMB-VS-CC026	EPA 8082 (PCBs only)	
64132-2	06/19/09	YMB-VS-CC027	EPA 8082 (PCBs only)	
64132-3	06/19/09	YMB-VS-SS001	EPA 8082 (PCBs only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Maryland, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature
Stephen L. Knollmeyer Lab. Director

Date 6/24/2009

Surrogate Compound Limits

	Matrix: Aqueous % Recovery	Solid % Recovery	Method
Volatile Organic Compounds - Drinking Water			
1,4-Difluorobenzene	70-130		EPA 524.2
Bromofluorobenzene	70-130		
1,2-Dichlorobenzene-d4	70-130		
Volatile Organic Compounds			
1,2-Dichloroethane-d4	70-120	70-120	EPA 624/8260B
Toluene-d8	85-120	85-120	
Bromofluorobenzene	75-120	75-120	
Semi-Volatile Organic Compounds			
2-Fluorophenol	20-110	35-105	EPA 625/8270C
d5-Phenol	15-110	40-100	
d5-nitrobenzene	40-110	35-100	
2-Fluorobiphenyl	50-110	45-105	
2,4,6-Tribromophenol	40-110	40-125	
d14-p-terphenyl	50-130	30-125	
PAH's by SIM			
d5-nitrobenzene	21-110	35-110	EPA 8270C
2-Fluorobiphenyl	36-121	45-105	
d14-p-terphenyl	33-141	30-125	
Pesticides and PCBs			
2,4,5,6-Tetrachloro-m-xylene (TCX)	46-122	40-130	EPA 608/8082
Decachlorobiphenyl (DCB)	40-135	40-130	
Herbicides			
Dichloroacetic acid (DCAA0	30-150	30-150	
Gasoline Range Organics/TPH Gasoline			
Trifluorotoluene TFT (FID)	60-140	60-140	MEDEP 4217/EPA 8015
Bromofluorobenzene (BFB) (FID)	60-140	60-140	
Trifluorotoluene TFT (PID)	60-140	60-140	
Bromofluorobenzene (BFB) (PID)	60-140	60-140	
Diesel Range Organics/TPH Diesel			
m-terphenyl	60-140	60-140	MEDEP 4125/EPA 8015/CT ETPH

analytics environmental laboratory

PCB
DATA SUMMARIES

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:PCB.doc

analytics environmental laboratory LLC
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-924-9906

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 24, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Lab
Project Number: 210954
Field Sample ID: Lab QC

SAMPLE DATA

Lab Sample ID: B06229PSOX
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 06/22/09
Analysis Date: 06/23/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	97 %
Decachlorobiphenyl	96 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

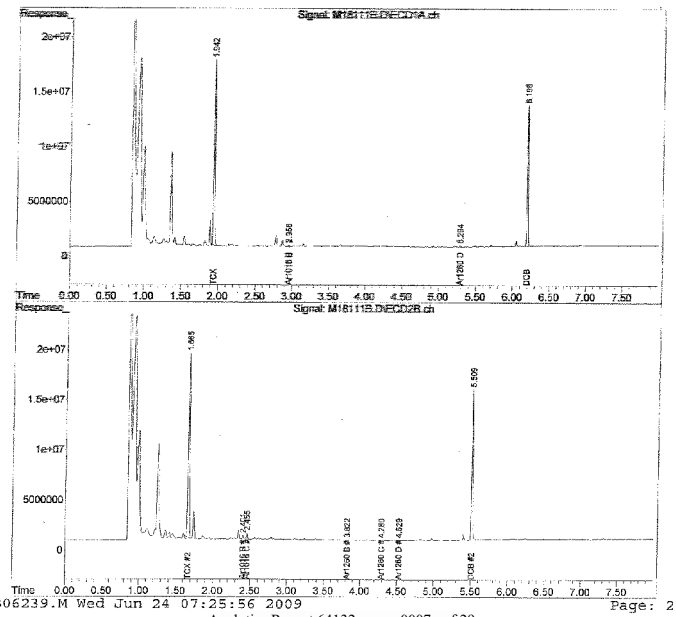
Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\062309-M\
Data File : M18111B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jun 2009 4:18 pm
Operator :
Sample : B06229PSOX,,A/C
Misc : SOIL
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 24 07:25:56 2009
Quant Method : C:\msdchem\1\METHODS\PCB06239.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Jun 23 11:32:14 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-924-9906

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 24, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Lab
Project Number: 210954
Field Sample ID: Lab QC

SAMPLE DATA

Lab Sample ID: B06199PW
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 06/19/09
Analysis Date: 06/23/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	83 %
Decachlorobiphenyl	74 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

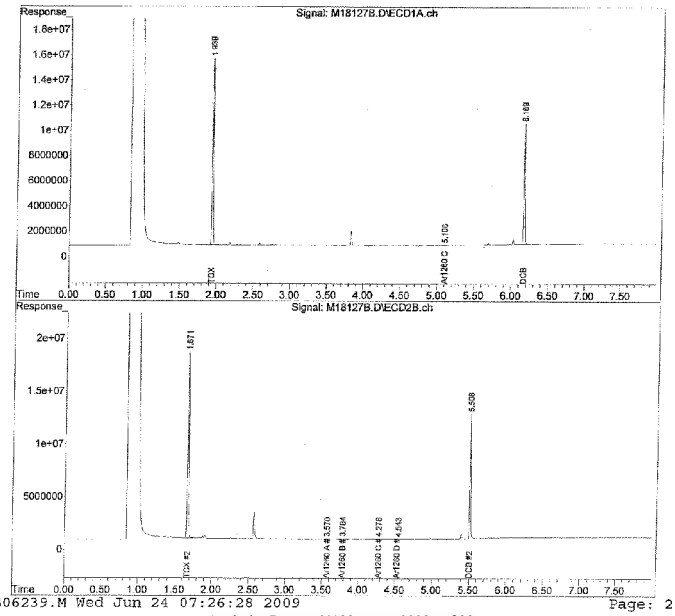
Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\062309-M\
Data File : M18127B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jun 2009 6:59 pm
Operator :
Sample : B06199PW,RR,,A/C
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 24 07:26:28 2009
Quant Method : C:\msdchem\1\METHODS\PCB06239.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Jun 23 11:32:14 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9936

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 24, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Lab
Project Number: 210954
Field Sample ID: Lab QC

SAMPLE DATA

Lab Sample ID: B06249PO
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 06/24/09
Analysis Date: 06/24/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	99	%
Decachlorobiphenyl	67	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

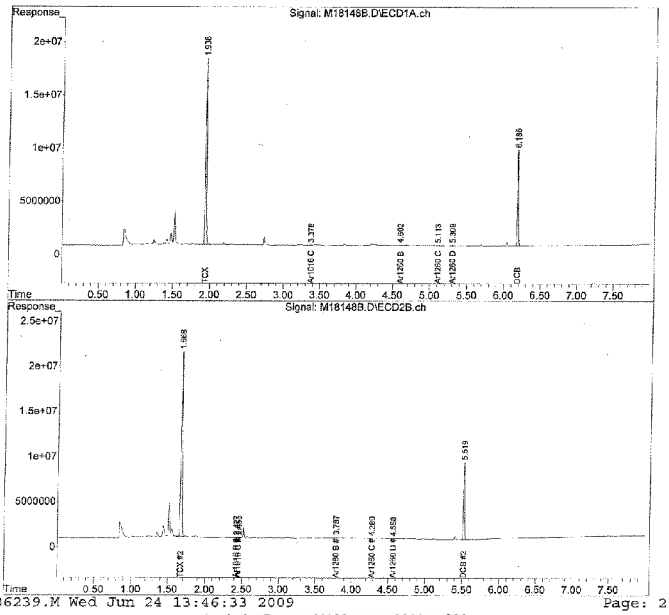
Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\062309-M\
Data File : M18148B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jun 2009 12:40 pm
Operator :
Sample : B06249PO,,A/C
Misc : SOIL
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 24 13:46:33 2009
Quant Method : C:\msdchem\1\METHODS\PCB06239.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Jun 23 11:32:14 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9936

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 24, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Lab
Project Number: 210954
Field Sample ID: YMB-VS-CC026

SAMPLE DATA

Lab Sample ID: 64132-1
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1.1
Collection Date: 06/19/09
Lab Receipt Date: 06/22/09
Extraction Date: 06/22/09
Analysis Date: 06/24/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	36	U
PCB-1221	36	U
PCB-1232	36	U
PCB-1242	36	U
PCB-1248	36	U
PCB-1254	36	135
PCB-1260	36	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	46	%
Decachlorobiphenyl	76	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Sample: 64132-1,A/C
Data File: M18152.D
Dilution Factor: 1.1

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	129	135	5.0	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

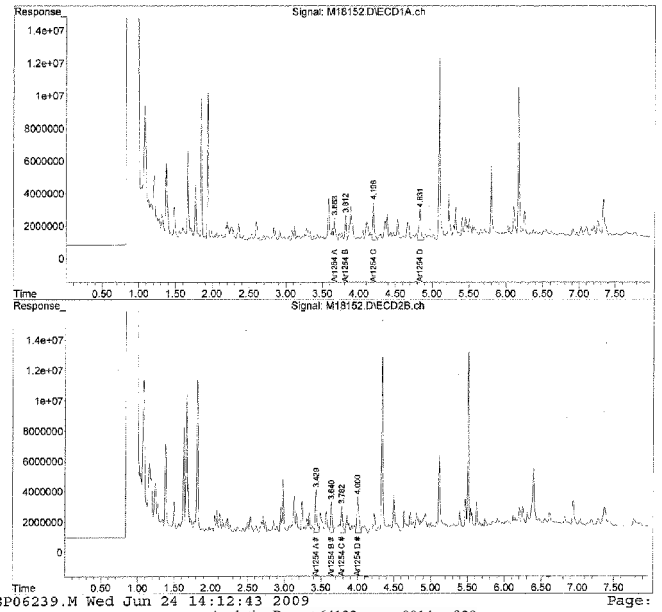
PCB FORM 10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\062309-M\
Data File : M18152.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jun 2009 1:21 pm
Operator :
Sample : 64132-1,A/C
Misc : SOIL
ALS Vial : 86 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 24 14:12:32 2009
Quant Method : C:\msdchem\1\METHODS\54SP06239.M
Quant Title :
QLast Update : Wed Jun 24 08:18:45 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



54SP06239.M Wed Jun 24 14:12:43 2009 Page: 2

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-225-9505

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 24, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Lab
Project Number: 210954
Field Sample ID: YMB-VS-CC027

SAMPLE DATA

Lab Sample ID: 64132-2
Matrix: Solid
Percent Solid: 97
Dilution Factor: 1.0
Collection Date: 06/19/09
Lab Receipt Date: 06/22/09
Extraction Date: 06/22/09
Analysis Date: 06/24/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**24 J**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	77	%
Decachlorobiphenyl	85	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature _____

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64132
Sample: 64132-2
Data File: M18153.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	23 J	24 J	2.3	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

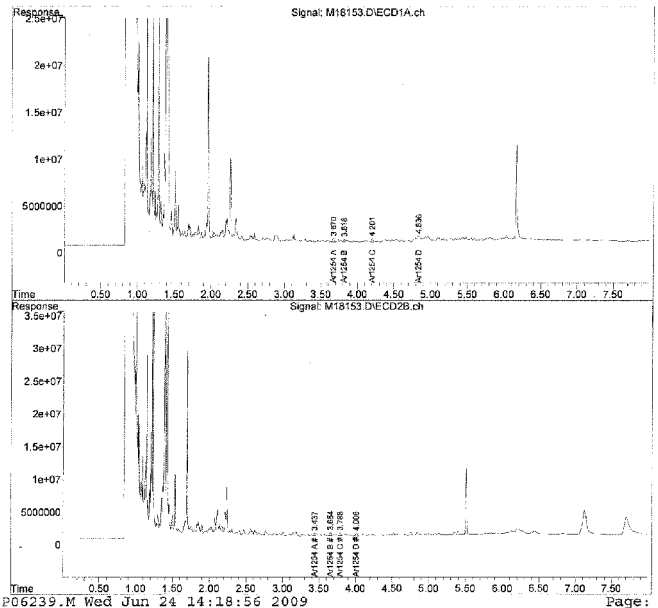
PCB FORM 10

Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\1\DATA\062309-M\
Data File : M18153.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 24 Jun 2009    1:31 pm
Operator  :
Sample    : 64132-2,A/C
Misc      : SOIL
ALS Vial  : 87   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 24 14:18:35 2009
Quant Method : C:\msdchem\1\METHODS\54SP06239.M
Quant Title  :
QLast Update : Wed Jun 24 08:18:45 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



analytics environmental laboratory llc

196 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2161
800-922-9905

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

June 24, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Lab

Project Number: 210954

Field Sample ID: YMB-VS-SS001

Lab Sample ID: 64132-3
Matrix: Solid
Percent Solid: 96
Dilution Factor: 5
Collection Date: 06/19/09
Lab Receipt Date: 06/22/09
Extraction Date: 06/22/09
Analysis Date: 06/24/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	170	U
PCB-1221	170	U
PCB-1232	170	U
PCB-1242	170	U
PCB-1248	170	U
PCB-1254	170	**2660**
PCB-1260	170	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	85	%
Decachlorobiphenyl	69	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64132
Sample: 64132-3,1:5,,A/C
Data File: M18142.D
Dilution Factor: 5.2

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	2665	2601	2.4	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

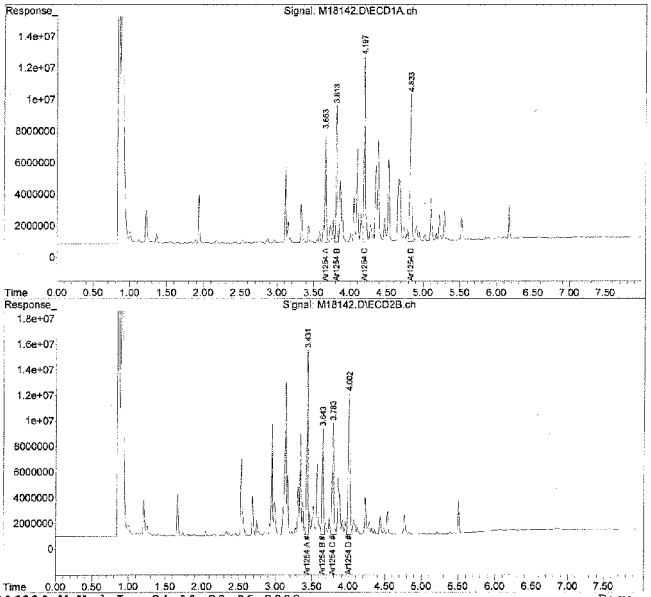
PCB FORM 10

Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\062309-M\
Data File : M18142.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 24 Jun 2009    9:38 am
Operator  :
Sample    : 64132-3,1:5,,A/C
Misc      : SOIL
ALS Vial  : 78   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 24 11:29:06 2009
Quant Method : C:\msdchem\1\METHODS\54SP06239.M
Quant Title  :
QLast Update : Wed Jun 24 08:18:45 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



analytics

PCB
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:PCBQC.doc

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64132

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B06229PSOX,,A/C	97		96		94		85	
L06229PSOX,,A/C	100		97		98		88	
LD06229PSOX,,A/C	105		104		101		94	
64132-3,MS,,A/C	93		78		86		61	
64132-3,MSD,,A/C	50		45		49		36	*

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64132

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B06199PW,RR,,A/C	83		74		85		69	
64132-3,1:5,,A/C	93		91		85		69	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64132

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B06249PO,,A/C	99		67		99		53	
64132-1,A/C	46		76		42		62	
64132-2	77		85		66		54	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64132
Non-spiked sample: B06229PSOX,,A/C
Spike: L06229PSOX,,A/C
Spike duplicate: LD06229PSOX,,A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	206	103		215	108		4.7	
PCB 1260	200	200	60	130	30	0	208	104		224	112		7.5	
PCB 1016 #2	200	200	65	140	30	0	202	101		239	119		16.5	
PCB 1260 #2	200	200	60	130	30	0	214	107		224	112		4.9	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: ______

PCB FORM 3

PCB SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64132
Non-spiked sample: 64132-3,,A/C
Spike: 64132-3,MS,,A/C
Spike duplicate: 64132-3,MSD,,A/C

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	195	192	65	140	30	0	602	309	*	327	170	*	59.2	*
PCB 1260	195	192	60	130	30	0	1185	608	*	635	330	*	60.5	*
PCB 1016 #2	195	192	65	140	30	0	223	115		135	69		50.5	*
PCB 1260 #2	195	192	60	130	30	0	1025	526	*	566	294	*	57.6	*

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: ______

PCB FORM 3

analytics

CHAIN OF CUSTODIES

AnalyticsLLC:ABL Documents LLC:Pkg Dividers:COC.doc

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

Project#: 21054 Proj. Name: YALE MASON LAB
Company: Woodard & Curran
Contact: GEORGE FRANKLIN
Address: 35 New England Business Center Suite 180
Andover, MA 01810
Phone: (978) 557-8150 PO# Quote #
Sampler (Signature): [signature]

Matrix Key: C = Concrete, WP = Wipe, WW = Wastewater, SW = Surface Water, GW = Groundwater, DW = Drinking Water, S = Soil/Sludge, O = Oil, E = Extract, X = Other

For Analytics Use Only Rev. 5 06/18/08
Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 2.0
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: CP 06/22/09

Container Key: P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation	Matrix	Container number/type	pH	Analytics Sample #
1B-VS-CC026	6/19/09	1408	PCBs	4°C	C	1 G		64132-1
1B-VS-CC027	6/19/09	1426	PCBs	4°C	C	1 G		-2
1B-VS-SS001	6/19/09	1418	PCBs	4°C	C	1 G		-3

Comments / Instructions: PCBs 8082 w/ SOXHLET EXTRACTION
RESULTS BY END OF DAY ~~TUESDAY~~ WEDNESDAY JUNE 24

Email Results to: GEORGE FRANKLIN, JEFF HANGEL

Turnaround Time (TAT): 24hr, 48hr ✓, 72hr, 5 Days, 10 Days
*Fee may apply, lab approval required

Project Requirements: *Fee may apply
Report Type: MCP* ✓ Level II*, QTPC* Level III*, DOD* Level IV*, Standard
State: NH, MA, ME, CT, RI, Other:
State Standard: (eg. S-1 or GW-1)
EDD Required: Y* N
Type:

Relinquished By Sampler: [signature] Date: 6/22/09 Time: 1210 Received By: [signature]
Relinquished By: Date: Time: Received By:
Relinquished By: Date: Time: Received By:

Page 1 of 1

AnalyticsLLC Documents:ABL COC

analytics — environmental laboratory LLC

ANALYTICS SAMPLE RECEIPT CHECKLIST

AEL LAB#: 64132 — COOLER NUMBER: _____

CLIENT: Woodard & Curran — NUMBER OF COOLERS: 1

PROJECT: Yale Mason Lab — DATE RECEIVED: 6-22-09

A: PRELIMINARY EXAMINATION: — DATE COOLER OPENED: 6-22-09

1. Cooler received by(initials) JF — Date Received: 6-22-09

2. Circle one: (Hand delivered) Shipped (If so, skip 3)

	Y	N
3. Did cooler come with a shipping slip?		
3a. Enter carrier name and airbill number here: _____		
4. Were custody seals on the outside of cooler? How many & where: _____ Seal Date: _____ Seal Name: _____		
5. Did the custody seals arrive unbroken and intact upon arrival?		
6. COC#: _____		
7. Were Custody papers filled out properly (ink,signed, etc)?	(Y)	
8. Were custody papers sealed in a plastic bag?	(Y)	
9. Did you sign the COC in the appropriate place?	(Y)	
10. Was the project identifiable from the COC papers?	(Y)	
11. Was enough ice used to chill the cooler? (Y) N — Temp. of cooler: 2.0°C		

B. Log-In: Date samples were logged in: 6-22-09 — By: JF

12. Type of packing in cooler(bubble wrap, popcorn)	(Y)	
13. Were all bottles sealed in separate plastic bags?	(Y)	
14. Did all bottles arrive unbroken and were labels in good condition?	(Y)	
15. Were all bottle labels complete(ID,Date,time,etc.)	(Y)	
16. Did all bottle labels agree with custody papers?	(Y)	
17. Were the correct containers used for the tests indicated:	(Y)	
18. Were samples received at the correct pH?	Y	(N/A)
19. Was sufficient amount of sample sent for the tests indicated?	(Y)	
20. Were bubbles absent in VOA samples?	(Y) JF 6-22-09	(N/A)

If NO, List sample #'s: _____

21. Laboratory labeling verified by (initials): — Date: CR 6/22/09

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

July 20, 2009

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

RE: Analytical Results Case Narrative
Analytics # 64310
Yale Mason Bldg.
Proj# 210954

Dear Mr. Franklin;

Enclosed please find the analytical results for samples submitted for the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed Polychlorinated Biphenyls (PCBs) by EPA Method 8082.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level II data package has been assembled in the following order:

Case Narrative/Non-Conformance Summary
Sample Log Sheet - Cover Page
CT Certification Page
PCB Form 1 Data Sheet for Samples and Blanks
Chromatograms
PCB Form 10 Confirmation Results
PCB Form 3 MS/MSD (LCS) Recoveries
Chain of Custody (COC) Forms

QC NON-CONFORMANCE SUMMARY

Sample Receipt:
No exceptions.

PCBs by EPA Method 8082:
Sample 64310-1 required dilution due to PCB concentrations detected in the sample. Sample 64310-4 required the lower value to be reported off of column #2 due to matrix interferences on column #1.

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

Report Number: 64310
Revision: Rev. 0

Re: Yale Mason Building **210954**

Enclosed are the results of the analyses on your sample(s). Samples were received on 15 July 2009 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
64310-1	07/15/09	YMB-VS-SS002	EPA 8082 (PCBs only)	
64310-2	07/15/09	YMB-VS-SS003	EPA 8082 (PCBs only)	
64310-3	07/15/09	YMB-VS-SS004	EPA 8082 (PCBs only)	
64310-4	07/15/09	YMB-VS-SS005	EPA 8082 (PCBs only)	
64310-5	07/15/09	YMB-VS-SS006	EPA 8082 (PCBs only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Maryland, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature
Stephen L. Knollmeyer Lab. Director

Date 7/22/2009

Surrogate Compound Limits

Matrix: / Units:	Aqueous % Recovery	Solid % Recovery	Method
Volatile Organic Compounds - Drinking Water			
1,4-Difluorobenzene	70-130		EPA 524.2
Bromofluorobenzene	70-130		
1,2-Dichlorobenzene-d4	70-130		
Volatile Organic Compounds			
1,2-Dichloroethane-d4	70-120	70-120	EPA 624/8260B
Toluene-d8	85-120	85-120	
Bromofluorobenzene	75-120	75-120	
Semi-Volatile Organic Compounds			
2-Fluorophenol	20-110	35-105	EPA 625/8270C
d5-Phenol	15-110	40-100	
d5-nitrobenzene	40-110	35-100	
2-Fluorobiphenyl	50-110	45-105	
2,4,6-Tribromophenol	40-110	40-125	
d14-p-terphenyl	50-130	30-125	
PAH's by SIM			
d5-nitrobenzene	21-110	35-110	EPA 8270C
2-Fluorobiphenyl	36-121	45-105	
d14-p-terphenyl	33-141	30-125	
Pesticides and PCBs			
2,4,5,6-Tetrachloro-m-xylene (TCX)	46-122	40-130	EPA 608/8082
Decachlorobiphenyl (DCB)	40-135	40-130	
Herbicides			
Dichloroacetic acid (DCAA0	30-150	30-150	
Gasoline Range Organics/TPH Gasoline			
Trifluorotoluene TFT (FID)	60-140.	60-140	MEDEP 4217/EPA 8015
Bromofluorobenzene (BFB) (FID)	60-140	60-140	
Trifluorotoluene TFT (PID)	60-140	60-140	
Bromofluorobenzene (BFB) (PID)	60-140	60-140	
Diesel Range Organics/TPH Diesel			
m-terphenyl	60-140	60-140	MEDEP 4125/EPA 8015/CT ETPH

PCB
DATA SUMMARIES

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-629-9956

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

July 21, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: Lab QC

SAMPLE DATA

Lab Sample ID: B07159PSOX
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 07/15/09
Analysis Date: 07/16/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	97	%
Decachlorobiphenyl	83	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

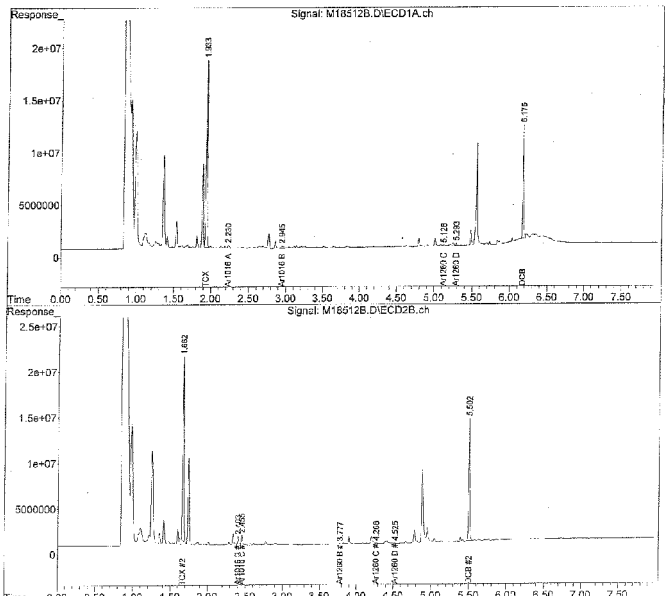
Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\071309-M\
Data File : M18512B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2009 12:23 pm
Operator :
Sample : B07159PSOX,,A/C
Misc : SOIL
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 12:51:39 2009
Quant Method : C:\msdchem\1\METHODS\PCB06239.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Jun 23 11:32:14 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-629-9956

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

July 21, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: Lab QC

SAMPLE DATA

Lab Sample ID: B07159PSOX RR
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 07/15/09
Analysis Date: 07/17/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	99	%
Decachlorobiphenyl	75	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

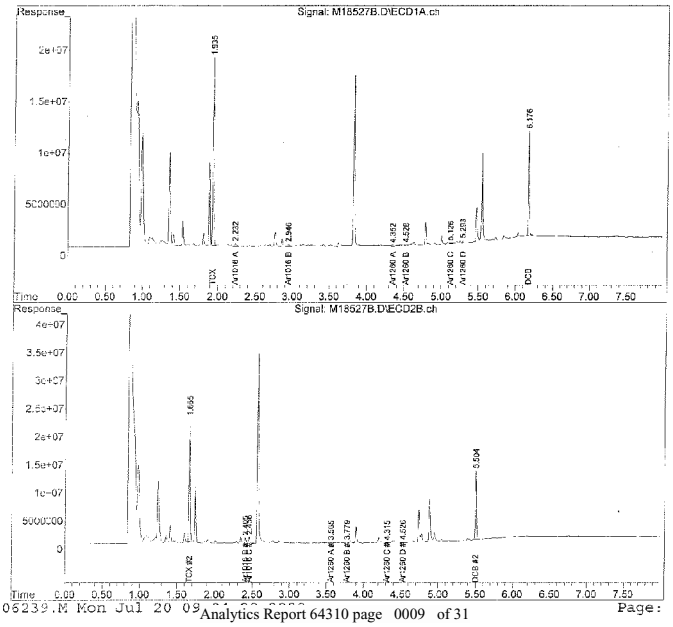
Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\071309-M\
Data File : M18527B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2009 7:33 am
Operator :
Sample : 507159PSOX,RR,,A/C
Misc : SOIL
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 20 09:04:29 2009
Quant Method : C:\msdchem\1\METHODS\PCB06239.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Jun 23 11:32:14 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory, LLC
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-924-9905

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

July 21, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-VS-SS002

SAMPLE DATA

Lab Sample ID:	64310-1
Matrix:	Solid
Percent Solid:	97
Dilution Factor:	50
Collection Date:	07/15/09
Lab Receipt Date:	07/15/09
Extraction Date:	07/15/09
Analysis Date:	07/17/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	1650	U
PCB-1221	1650	U
PCB-1232	1650	U
PCB-1242	1650	U
PCB-1248	1650	U
PCB-1254	1650	**36800**
PCB-1260	1650	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene * %
Decachlorobiphenyl * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.
* The surrogates were diluted out.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64310
Sample: 64310-1,1:50,,A/C
Data File: M18540.D
Dilution Factor: 50.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	36843	30961	17.3	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

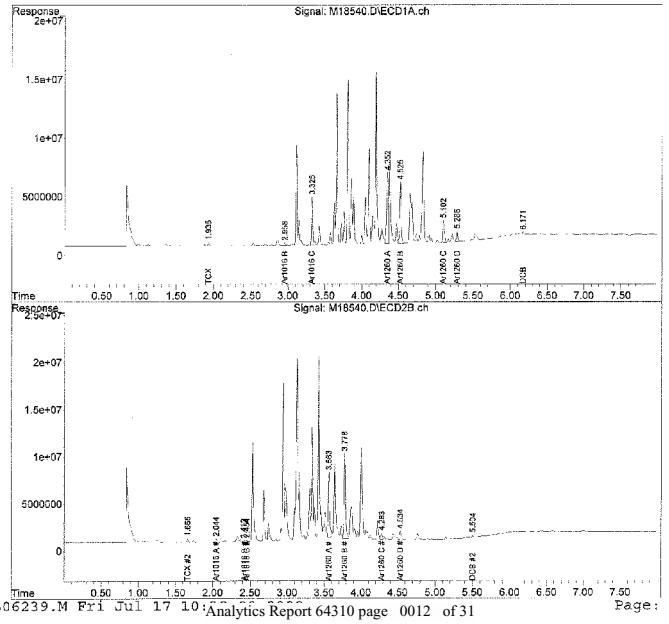
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\071309-M\
Data File : M18540.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2009 10:18 am
Operator :
Sample : 64310-1,1:50,,A/C
Misc : SOIL
ALS Vial : 62 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 17 10:38:00 2009
Quant Method : C:\msdchem\1\METHODS\PCB06239.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Jun 23 11:32:14 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-787-9706

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

July 21, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-VS-SS003

Lab Sample ID: 64310-2
Matrix: Solid
Percent Solid: 98
Dilution Factor: 1.0
Collection Date: 07/15/09
Lab Receipt Date: 07/15/09
Extraction Date: 07/15/09
Analysis Date: 07/17/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**67**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	93	%
Decachlorobiphenyl	68	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64310
Sample: 64310-2,,A/C
Data File: M18533.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	67	59	13.3	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

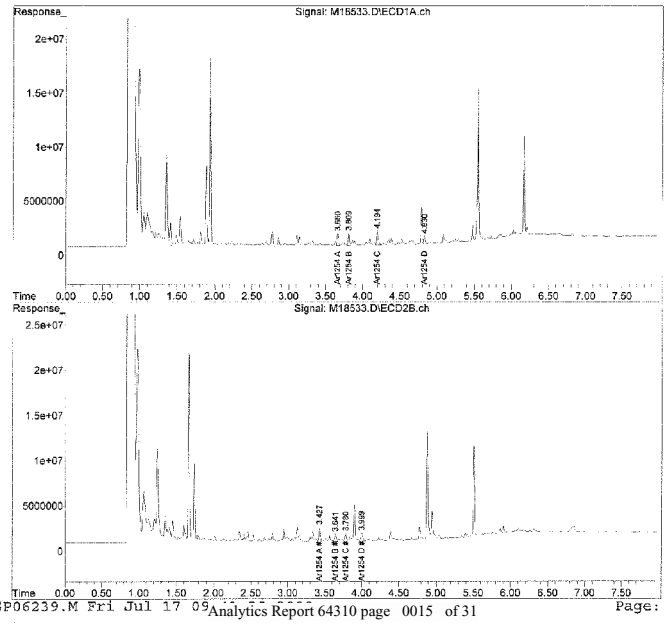
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\071309-M\
Data File : M18533.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2009 8:34 am
Operator :
Sample : 64310-2,,A/C
Misc : SOIL
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 17 09:41:38 2009
Quant Method : C:\msdchem\1\METHODS\54SP06239.M
Quant Title :
QLast Update : Wed Jun 24 08:18:45 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-787-9706

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

July 21, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-VS-SS004

Lab Sample ID: 64310-3
Matrix: Solid
Percent Solid: 98
Dilution Factor: 1.0
Collection Date: 07/15/09
Lab Receipt Date: 07/15/09
Extraction Date: 07/15/09
Analysis Date: 07/17/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	90	%
Decachlorobiphenyl	69	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

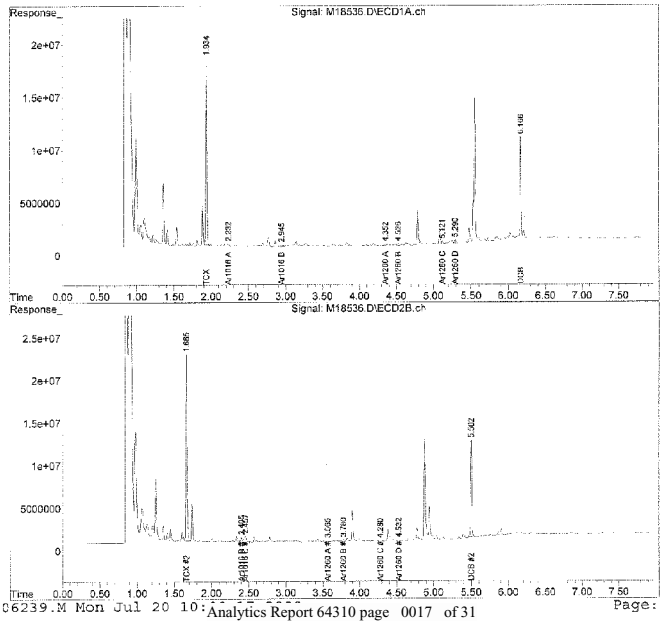
Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\071309-M\
Data File : M18536.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2009 9:04 am
Operator :
Sample : 64310-3,,A/C
Misc : SOIL
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 17 09:42:19 2009
Quant Method : C:\msdchem\1\METHODS\PCB06239.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Jun 23 11:32:14 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics — environmental laboratory, LLC
195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-649-9354

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

July 21, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building
Project Number: 210954
Field Sample ID: YMB-VS-SS005

SAMPLE DATA

Lab Sample ID: 64310-4
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 07/15/09
Lab Receipt Date: 07/15/09
Extraction Date: 07/15/09
Analysis Date: 07/17/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**704**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	56	%
Decachlorobiphenyl	48	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64310
Sample: 64310-4,,A/C
Data File: M18538.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	774	704	9.5	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

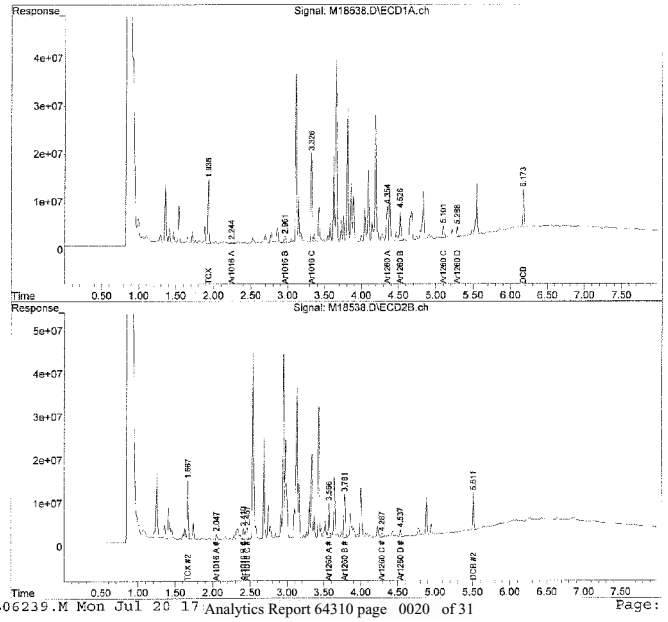
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\071309-M\
Data File : M18538.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2009 9:24 am
Operator :
Sample : 64310-4,,A/C
Misc : SOIL
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 20 17:23:21 2009
Quant Method : C:\msdchem\1\METHODS\PCB06239.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Jun 23 11:32:14 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics environmental laboratory, llc

180 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-787-9706

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

July 21, 2009

CLIENT SAMPLE ID

Project Name: Yale Mason Building

Project Number: 210954

Field Sample ID: YMB-VS-SS006

SAMPLE DATA

Lab Sample ID: 64310-5
Matrix: Solid
Percent Solid: 97
Dilution Factor: 1.0
Collection Date: 07/15/09
Lab Receipt Date: 07/15/09
Extraction Date: 07/15/09
Analysis Date: 07/17/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**40**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	95	%
Decachlorobiphenyl	58	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64310
Sample: 64310-5,,A/C
Data File: M18537.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	34	40	16.2	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

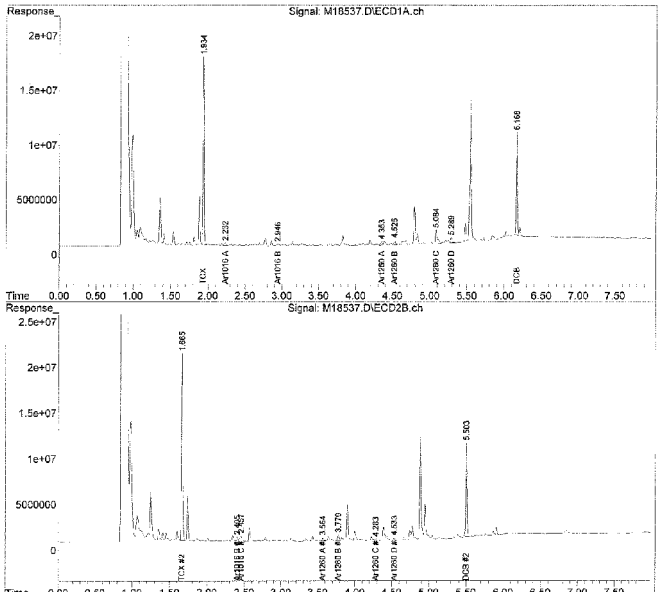
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\071309-M\
Data File : M18537.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2009 9:14 am
Operator :
Sample : 64310-5,,A/C
Misc : SOIL
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 17 09:42:24 2009
Quant Method : C:\msdchem\1\METHODS\PCB06239.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Jun 23 11:32:14 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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PCB
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:PCBQC.doc

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64310

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B07159PSOX,,A/C	97		83		90		76	
L07159PSOX,,A/C	98		84		90		77	
LD07159PSOX,,A/C	99		94		95		78	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64310

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B07159PSOX,RR,,A/C	99		75		99		66	
64310-2,,A/C	93		68		90		55	
64310-2,MS,,A/C	92		72		88		67	
64310-2,MSD,,A/C	94		73		93		68	
64310-3,,A/C	90		69		94		64	
64310-5,,A/C	91		72		95		58	
64310-4,,A/C	66		60		56		48	
64310-1,1:50,,A/C	D		D		D		D	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64310
Non-spiked sample: B07159PSOX,,A/C
Spike: L07159PSOX,,A/C
Spike duplicate: LD07159PSOX,,A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	222	111		210	105		5.5	
PCB 1260	200	200	60	130	30	0	204	102		215	108		5.3	
PCB 1016 #2	200	200	65	140	30	0	251	125		259	130		3.3	
PCB 1260 #2	200	200	60	130	30	0	204	102		209	104		2.4	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

PCB FORM 3

PCB SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64310
Non-spiked sample: 64310-2,,A/C
Spike: 64310-2,MS,,A/C
Spike duplicate: 64310-2,MSD,,A/C

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	201	201	65	140	30	0	215	107		202	100		6.6	
PCB 1260	201	201	60	130	30	0	201	100		201	100		0.2	
PCB 1016 #2	201	201	65	140	30	0	265	132		278	138		4.9	
PCB 1260 #2	201	201	60	130	30	0	201	100		202	101		0.7	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

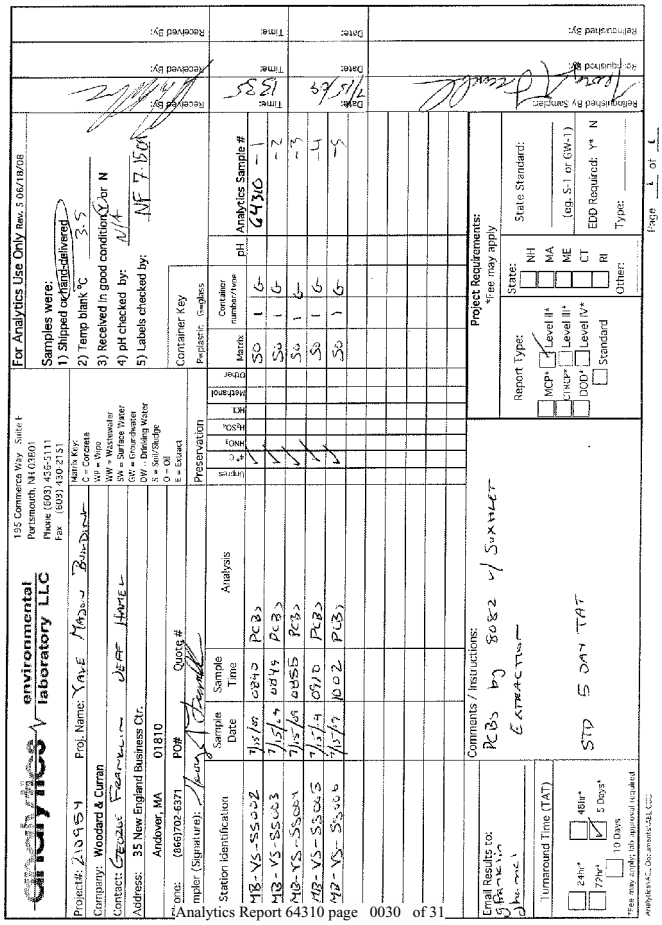
Comments: _____

PCB FORM 3

CHAIN OF CUSTODIES

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:COC.doc

Chain Of Custody Form



ANALYTICS SAMPLE RECEIPT CHECKLIST

AEL LAB#: 64310 — COOLER NUMBER: ____

CLIENT: Woodard & Curran — NUMBER OF COOLERS: 1

PROJECT: Yale Mason Building — DATE RECEIVED: 7/15/09

A: PRELIMINARY EXAMINATION: — DATE COOLER OPENED: 7/15/09

1. Cooler received by(initials): SD — Date Received: 7/15/09

2. Circle one: Hand delivered (If so, skip 3) — Shipped

3. Did cooler come with a shipping slip?	Y	N
3a. Enter carrier name and airbill number here:		
4. Were custody seals on the outside of cooler? How many & where: ____ Seal Date: ____ Seal Name: ____	Y	N/A
5. Did the custody seals arrive unbroken and intact upon arrival?	Y	N/A
6. COC#: ____		
7. Were Custody papers filled out properly (ink,signed, etc)?	Y	N
8. Were custody papers sealed in a plastic bag?	Y	N
9. Did you sign the COC in the appropriate place?	Y	N
10. Was the project identifiable from the COC papers?	Y	N
11. Was enough ice used to chill the cooler? Y N — Temp. of cooler:		3.5°C

B. Log-In: Date samples were logged in: 7/15/09 — By: SD

12. Type of packing in cooler(bubble wrap, popcorn)	Y	N
13. Were all bottles sealed in separate plastic bags?	Y	N
14. Did all bottles arrive unbroken and were labels in good condition?	Y	N
15. Were all bottle labels complete(ID,Date,time,etc.)	Y	N
16. Did all bottle labels agree with custody papers?	Y	N
17. Were the correct containers used for the tests indicated:	Y	N
18. Were samples received at the correct pH?	Y	N/A
19. Was sufficient amount of sample sent for the tests indicated?	Y	N
20. Were bubbles absent in VOA samples?	Y	N/A
If NO, List sample #'s: ____		

21. Laboratory labelling verified by (initials): — Date: NF 7.15.09

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

August 3, 2009

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

RE: Analytical Results Case Narrative
Analytics # 64432
Yale Mason Bldg.
Proj# 210954

Dear Mr. Franklin;

Enclosed please find the analytical results for samples submitted for the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed Polychlorinated Biphenyls (PCBs) by EPA Method 8082.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level II data package has been assembled in the following order:

Case Narrative/Non-Conformance Summary
Sample Log Sheet - Cover Page
CT Certification Page
PCB Form I Data Sheet for Samples and Blanks
Chromatograms
PCB Form 10 Confirmation Results
PCB Form 3 MS/MSD (LCS) Recoveries
Chain of Custody (COC) Forms

QC NON-CONFORMANCE SUMMARY

Sample Receipt:
No exceptions.

PCBs by EPA Method 8082:
No QC deviations.

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

Report Number: 64432
Revision: Rev. 0

Re: Yale Mason Lab **210954**

Enclosed are the results of the analyses on your sample(s). Samples were received on 30 July 2009 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
64432-1	07/30/09	YMB-VS-CC101	EPA 8082 (PCBs only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Maryland, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen E. Knollmeyer Lab. Director

Date 08/03/09

Surrogate Compound Limits

	Matrix: Aqueous	Solid	
	Units: % Recovery	% Recovery	Method
Volatile Organic Compounds - Drinking Water			
1,4-Difluorobenzene	70-130		EPA 524.2
Bromofluorobenzene	70-130		
1,2-Dichlorobenzene-d4	70-130		
Volatile Organic Compounds			
1,2-Dichloroethane-d4	70-120	70-120	EPA 624/8260B
Toluene-d8	85-120	85-120	
Bromofluorobenzene	75-120	75-120	
Semi-Volatile Organic Compounds			
2-Fluorophenol	20-110	35-105	EPA 625/8270C
d5-Phenol	15-110	40-100	
d5-nitrobenzene	40-110	35-100	
2-Fluorobiphenyl	50-110	45-105	
2,4,6-Tribromophenol	40-110	40-125	
d14-p-terphenyl	50-130	30-125	
PAH's by SIM			
d5-nitrobenzene	21-110	35-110	EPA 8270C
2-Fluorobiphenyl	36-121	45-105	
d14-p-terphenyl	33-141	30-125	
Pesticides and PCBs			
2,4,5,6-Tetrachloro-m-xylene (TCX)	46-122	40-130	EPA 608/8082
Decachlorobiphenyl (DCB)	40-135	40-130	
Herbicides			
Dichloroacetic acid (DCAA0	30-150	30-150	
Gasoline Range Organics/TPH Gasoline			
Trifluorotoluene TFT (FID)	60-140	60-140	MEDEP 4217/EPA 8015
Bromofluorobenzene (BFB) (FID)	60-140	60-140	
Trifluorotoluene TFT (PID)	60-140	60-140	
Bromofluorobenzene (BFB) (PID)	60-140	60-140	
Diesel Range Organics/TPH Diesel			
m-terphenyl	60-140	60-140	MEDEP 4125/EPA 8015/CT ETPH

PCB
DATA SUMMARIES

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

August 3, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Lab
Project Number: 210954
Field Sample ID: Lab QC

Lab Sample ID: B07309PSOX
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 07/30/09
Analysis Date: 08/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	81	%
Decachlorobiphenyl	84	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

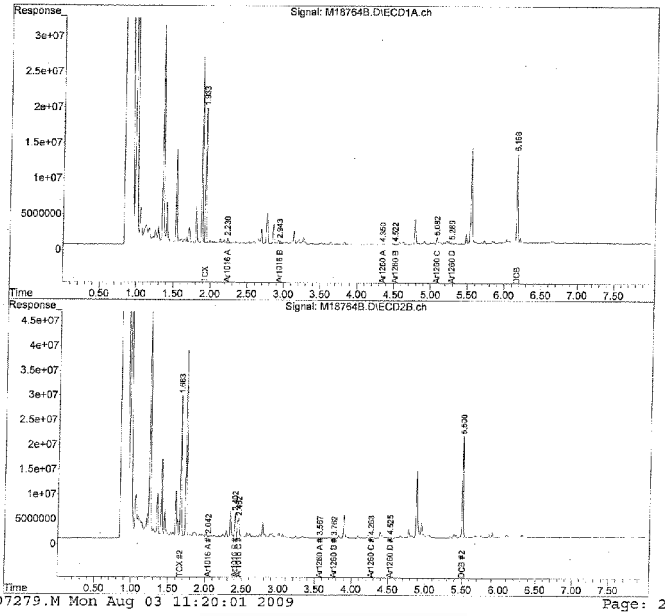
Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\080309-M\
Data File : M18764B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Aug 2009 10:14 am
Operator :
Sample : B07309PSOX,,A/C
Misc : SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 03 11:20:01 2009
Quant Method : C:\msdchem\1\METHODS\PCB07279.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Jul 28 02:55:55 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. George Franklin
Woodard & Curran
35 NE Business Center Suite 180
Andover MA 01810

August 3, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Yale Mason Lab
Project Number: 210954
Field Sample ID: YMB-VS-CC101

Lab Sample ID: 64432-1
Matrix: Solid
Percent Solid: 99
Dilution Factor: 1.0
Collection Date: 07/30/09
Lab Receipt Date: 07/30/09
Extraction Date: 07/30/09
Analysis Date: 08/03/09

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**555**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	80	%
Decachlorobiphenyl	88	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64432
Sample: 64432-1,,A/C
Data File: M18767.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	555	537	3.3	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

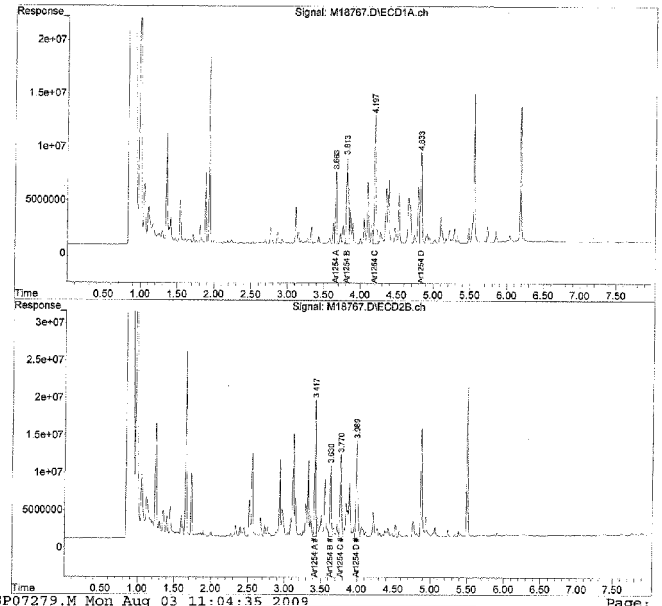
PCB FORM 10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\080309-M\
Data File : M18767.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 Aug 2009 10:54 am
Operator :
Sample : 64432-1,,A/C
Misc : SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 03 11:04:29 2009
Quant Method : C:\msdchem\1\METHODS\54SP07279.M
Quant Title :
QLast Update : Tue Jul 28 10:52:16 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



analytics

PCB
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:PCBQC.doc

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 64432

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B07309PSOX,,A/C	81		84		94		93	
L07309PSOX,,A/C	85		84		97		94	
LD07309PSOX,,A/C	81		84		92		97	
64432-1,,A/C	80		88		90		94	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB FORM 2

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CL/Pesticides I — SDG: 64432

Column ID: 0.25 mm — Non-spiked sample: B07309PSOX,,A/C

GC Column #2: STX-CL/Pesticides II — Spike: LD7309PSOX,,A/C

Column ID: 0.25 mm — Spike duplicate: LD07309PSOX,,A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	183	91		177	89		2.7	
PCB 1260	200	200	60	130	30	0	182	91		187	94		2.9	
PCB 1016 #2	200	200	65	140	30	0	275	140		275	138		1.4	
PCB 1260 #2	200	200	60	130	30	0	209	104		214	107		2.6	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

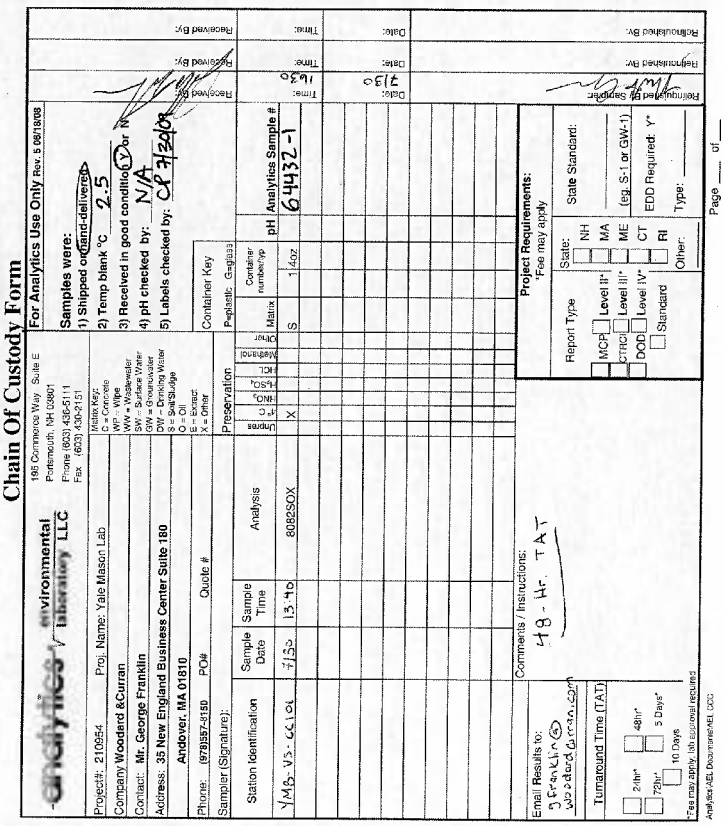
Comments: _____

PCB FORM 3

analytics environmental laboratory LLC

CHAIN OF CUSTODIES

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:COC.doc



Chain Of Custody Form

analytics environmental laboratory LLC
185 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 5 08/18/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 2.5
3) Received in good condition (Y or N)
4) pH checked by: N/A
5) Labels checked by: CP 7/30/09

Project#: 210954 — Proj. Name: Yale Mason Lab — PO# — Quote #
Company: Woodard &Curran
Contact: Mr. George Franklin
Address: 35 New England Business Center Suite 180
Andover, MA 01810
Phone: (978)557-8150
Sampler (Signature):

Matrix Key: S = Soil/Sludge; O = Oil; L = Liquid; X = Other; WW = Wastewater; SW = Surface Water; GW = Groundwater; DW = Drinking Water; C = Concrete; WP = Wipe

Container Key: Plastic; Eagle

Preservation: Unpres; H2SO4; HNO3; HCl; NaOH; Methanol; Other

Station Identification	Sample Date	Sample Time	Matrix	Container number/typ	pH	Analytics Sample #	Analysis
YMB-VS-CC104	7/30	13:40	S	1 4oz		64432-1	8082SOX

Project Requirements: (*Fee may apply)
Report Type: MCP Level II* Level III* Level IV* CTRCP DOD Standard
State Standard: State: NH MA ME CT RI Other: (eg. S-1 or GW-1)
EDD Required: Y* Type:

Relinquished By: — Date: — Time:
Received By: — Date: 7/30 — Time: 1630
Relinquished By: — Date: 7/30 — Time: 1930
Received By: — Date: — Time:

Comments / Instructions: 48-Hr. TAT

Email Results to: gfranklin@woodardcurran.com

Turnaround Time (TAT): 2 hr* 72hr* 48hr* 5 Days* 10 Days
*Fee may apply. 5th approval required

Page ___ of ___

Analytics AEL Documents\AEL COC

analytics environmental laboratory LLC

ANALYTICS SAMPLE RECEIPT CHECKLIST

AEL LAB#: 64432 — COOLER NUMBER: _____
CLIENT: W+C Andover — NUMBER OF COOLERS: 1
PROJECT: Yale Mason Lab — DATE RECEIVED: 7/30/09
DATE COOLER OPENED: 7/30/09
Date Received: NF 7/30/09

A: PRELIMINARY EXAMINATION:

1. Cooler received by(initials)
2. Circle one: (Hand delivered (If so, skip 3)) Shipped
3. Did cooler come with a shipping slip? Y N
3a. Enter carrier name and airbill number here: _____
4. Were custody seals on the outside of cooler? Y (N/A)
How many & where: _____ Seal Date: _____ Seal Name: _____
5. Did the custody seals arrive unbroken and intact upon arrival? Y (N/A)
6. COC#: _____
7. Were Custody papers filled out properly (ink,signed, etc)? (Y) N
8. Were custody papers sealed in a plastic bag? (Y) N
9. Did you sign the COC in the appropriate place? (Y) N
10. Was the project identifiable from the COC papers? (Y) N
11. Was enough ice used to chill the cooler? (Y) N Temp. of cooler: 2.5°C

B. Log-In: Date samples were logged in: 7/30/09 By: NF

12. Type of packing in cooler (bubble wrap, popcorn) (Y) N
13. Were all bottles sealed in separate plastic bags? Y (N)
14. Did all bottles arrive unbroken and were labels in good condition? (Y) N
15. Were all bottle labels complete(ID,Date,time,etc.) (Y) N
16. Did all bottle labels agree with custody papers? (Y) N
17. Were the correct containers used for the tests indicated: (Y) N
18. Were samples received at the correct pH? Y (N/A)
19. Was sufficient amount of sample sent for the tests indicated? (Y) N
20. Were bubbles absent in VOA samples? Y (N/A)
If NO, List sample #'s: _____
21. Laboratory labeling verified by (initials): Date: CP 7/30/09

C:\ANLYTICS LLC\AEL DOCUMENTS\FORMS\SMPL CHKLST\Edit 4908 — Rev. 1, 4/9/08

APPENDIX D: DATA VALIDATION SUMMARIES

YALE MASON BUILDING VERIFICATION SAMPLING - PROJECT SUMMARY

Analytics Environmental Laboratory Job Numbers: 63965, 64062, 64132, 64310, and 64432

A modified Tier II validation was performed on the data. The criteria detailed below were used to qualify the data. Raw data were not used to verify the results reported by the laboratory.

Samples were received at 1.1, 2.0, 2.5, 2.6, and 3.5 degrees Celsius. Although some of the samples were received at less than 2 degrees Celsius, they were not frozen and no qualifications will be applied.

PCBs:

All polychlorinated biphenyl compound (PCB) samples were extracted and analyzed within technical holding times. No qualifications will be applied.

All PCB surrogates met acceptance criteria or were diluted out. No qualifications will be applied.

The PCB method blanks were non-detect (ND) for all target analytes. No qualifications will be applied.

PCB field blank samples EB-01 (63965-27) and EB-01 (64062-9) were ND for all target analytes. No qualifications will be applied.

PCB matrix spike/matrix spike duplicate (MS/MSD) performed on samples YMB-CS-CC01 (63965-1), YMB-VS-SS001 (64132-3), and YMB-VS-SS004 (64310-3) met acceptance criteria (PCB-1016/65%-140%, PCB-1260/60%-130%) with the following exceptions:

LAB ID	SAMPLE ID	PCB-1016 (%) MS/MS/MSD/MSD	PCB-1260 (%) MS/MS/MSD/MSD	QUALIFIER
63965-1	YMB-CS-CC01	318/249/OK/OK	412/329/218/184	None, 10X DL therefore DO
64132-3	YMB-VS-SS001	309/170/OK/OK	608/330/526/294	None, 5x DL and PCB-1254 interference

DL=dilution; DO=diluted out

The PCB laboratory control samples (LCS) and/or laboratory control sample duplicates (LCSD) met acceptance criteria. No qualifications will be applied.

PCB field duplicate samples YMB-CS-CC19 (63965-19)/YMB-CS-CC99 (63965-20) and YMB-CS-CC01C (64062-6)/YMB-CS-CC99 (64062-7) met acceptance criteria (≤50%) with the following exception. The relative percent difference (RPD) between the results for PCB-1254 in field duplicate samples YMB-CS-CC19 (63965-19)/YMB-CS-CC99 (63965-20) (110%) exceeded acceptance criteria. The PCB-1254 results will be estimated (J) in samples YMB-CS-CC19 (63965-19) and YMB-CS-CC99 (63965-20) due to high field duplicate RPD.

The RPD between the column results for all detected PCBs met acceptance criteria (≤25%) with the following exceptions:

LAB ID	SAMPLE ID	PCB	RPD	QUALIFIER
64062-6	YMB-CS-CC01C	1254	30.4	J
64062-7	YMB-CS-CC99	1254	28.5	J

Several samples were analyzed at a dilution due to the high concentration of PCB-1254 present in the samples. Elevated quantitation limits are reported in these samples as a result of the dilutions performed.

The lower concentration of PCB-1254 was reported for sample YMB-VS-SS005 (64310-4) since the primary column had interferences.

Analytics Environmental Laboratory Job Numbers: 63965, 64062, 64132, 64310, and 64432

Data Check, Inc.
P.O. Box 29
81 Meaderboro Road
New Durham, NH 03855

Gloria J. Switalski:
President

Date: 08/05/09

APPENDIX E: WASTE MANIFESTS AND CERTIFICATES OF DISPOSAL

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CTR000003236	1	(203)238-6745	000133322 UIS

GENERATOR

5. Generator's Name and Mailing Address
YALE UNIVERSITY-ENV. SVC. SECT
P.O. BOX 208112
NEW HAVEN, CT 06520
Generator's Phone: 203 4329384

Generator's Site Address (if different than mailing address)
Yale University Mason Lab
9 Hillhouse Ave Room 112
New Haven, CT 06520

6. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES — U.S. EPA ID Number: CTD021816889

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM Chemical Services, LLC
1550 Blamer Road
Model City, NY 14107
Facility's Phone: 716 7548231
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLIDS MIXTURE 9, UN3432, PGII	001	CM	X16 EST	T	B007	CR01	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information ITEM 11 & 12 S/B IN KILOGRAMS
EMERGENCY PH#(203)238-6745 1) PO52709003 - EMERGENCY RESPONSE GUIDE # 171 SR#908426
This location is contiguous to 350 Edwards Facility 8162s156 WEIGHT 1ST ESTIMATED
Out of Service Date: 5/22/09 Can # 30161 Approval # NY298986 PCB Waste ID = CONCRETE

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. (08) 6/22/09

Generator's/Offeror's Printed/Typed Name: Brenda Armstrong — Signature: Brenda Armstrong — Month 06 Day 18 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Chris Sawallich — Signature: Chris Sawallich — Month 06 Day 18 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Qty est actual read 25640P/11630K Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: EILEEN CARTER — Signature: Eileen Carter — Month 6 Day 19 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
P.O. Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

YALE UNIVERSITY
ATTN: JOANN FARRELL, ENVIRONMENTAL SVCS. SECTION
CTR000003236
P.O. BOX 208112
NEW HAVEN CT 06520-8112

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from YALE UNIVERSITY on 06/19/09 as described on Shipping Document number 000133322UIS Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY298986
CWM Tracking ID: 8163515601
CWM Unit #: 1*0
Disposal Date: 06/19/09

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 331543
06/22/09

For questions please call
our Customer Service Dept.
at (800) 843-3604

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CTR000003236
2. Page 1 of: 1
3. Emergency Response Phone: (203)238-6745
4. Manifest Tracking Number: 000146209 UIS

5. Generator's Name and Mailing Address:
YALE UNIVERSITY-ENV. SVC. SECT
P.O. BOX 208112
NEW HAVEN, CT 06520
Generator's Phone: 203 4329384

Generator's Site Address (if different than mailing address):
Yale University Mason Lab
9 Hillhouse Ave Room 112
New Haven, CT 06520

6. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
U.S. EPA ID Number: CTD021816889

7. Transporter 2 Company Name: United Industrial Services
U.S. EPA ID Number: CTD021816889

8. Designated Facility Name and Site Address:
CWM Chemical Services, LLC
1550 Balmer Road
Model City, NY 14107
Facility's Phone: 716 7546231
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, POLYCHLORINATED BIPHENYLS, SOLIDS MIXTURE 9, UN3432, PGII	001	CM	9090.	K	B007	CR01	
	2.				2 8/4			
	3.							
	4.							

14. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 1) PO52709003 - EMERGENCY RESPONSE GUIDE # 171
CM# J072490025.101 81635897
Profile#298986 OUT of SERVICE DATE: 7/7/09 WEIGHT IS ESTIMATED

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Brenda Armstrong
Signature:
Month: 08 Day: 03 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Kim Wyman
Signature:
Month: 08 Day: 03 Year: 09

Transporter 2 Printed/Typed Name: Chris Sawallich
Signature:
Month: 08 Day: 03 Year: 09

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
qty not actual. Recd 6677K Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Ellen Canton
Signature:
Month: 8 Day: 4 Year: 09

GENERATOR

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

CWM CHEMICAL SERVICES, LLC
1550 Balmer Road
P.O. Box 200
Model City, NY 14107
(716) 754-8231
(716) 754-0211 Fax

YALE UNIVERSITY
ATTN: JOANN FARRELL, ENVIRONMENTAL SVCS. SECTION
CTR000003236
P.O. BOX 208112
NEW HAVEN CT 06520-8112

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from YALE UNIVERSITY on 08/04/09 as described on Shipping Document number 000146209UIS Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY298986
CWM Tracking ID: 8163589701
CWM Unit #: 1*0
Disposal Date: 08/04/09

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 332524
08/05/09

For questions please call
our Customer Service Dept.
at (800) 843-3604

LDR NOTIFICATION OR CERTIFICATION FORM
For New York Regulated PCB Waste

This form is required for wastes containing 50 ppm PCB or greater. The profiled waste on the manifest number indicated below is listed hazardous waste ("B-coded") in NY. Note: 50-500 ppm PCB drained articles and small capacitors (as defined in 40CFR761.3) are not regulated by NY State. Please complete items 1.- 8. and send with the first shipment of waste/profile.

1.) Generator Name YALE University

2.) Manifest Number 000146209 UIS 3.) CWM Profile# NY2989E

4.) Please check *all* boxes that apply. out of Service 7/2/09

NY Waste Code	Identity/Type of PCB Waste	
B001	☐ Concentrated PCB Oil	
B002	☐ Oil/liquid 50-499 ppm PCBs	
B003	☐ Oil/liquid 500 ppm or greater PCBs	
B004	Manufactured PCB Articles 50-499 ppm:	☐ transformers ☐ motors ☐ switches ☐ cable ☐ pumps ☐ pipe ☐ large capacitors ☐ bushings ☐ other (specify):
B005	Manufactured PCB Articles (other than transformers) 500 ppm or greater:	☐ motors ☐ switches ☐ cable ☐ pumps ☐ pipe ☐ large capacitors ☐ bushings ☐ other (specify):
B006	☐ PCB Transformers 500 ppm or greater	
B007	Other PCB Wastes:	☐ soil ☐ sludge ☐ clothing ☐ rags ☐ wood ☑ other (specify): CONCRETE

5.) Check *one* box as appropriate.

CERTIFICATION - WASTE MEETS LAND DISPOSAL TREATMENT STANDARDS

☑ I am the generator of the waste as identified above, that is restricted under 6 NYCRR Part 376. I have determined that this waste meets all applicable treatment standards set forth in 6 NYCRR 376 and, therefore, it can be landfilled without further treatment. Waste does not include solidified B002 material (liquid with PCBs 50-500ppm).

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 6 NYCRR Part 376, section 376.4. and all applicable prohibitions set fon in 376.3(b) of part 376 or RCRA section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

NOTIFICATION – WASTE DOES NOT MEET LAND DISPOSAL TREATMENT STANDARDS

☐ I am the generator of a waste restricted under 6 NYCRR Part 376 as identified above. I notify that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste does not comply with the treatment standards specified in 6 NYCRR Part 376.4 (f). This waste must be treated to the applicable standards set forth in 6 NYCRR 376 4 (f) prior to land disposal.

6.) Signature Brenda Cornell

7.) Title Environmental Manager 8.) Date 8/3/09

002877181FLE 63718

509201/502854

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CTR000003236	1	(800) 424-9300	002877181 FLE

5. Generator's Name and Mailing Address
Yale University
Env Affairs Section P.O. Box 208112
New Haven, CT 06520-8112
Generator's Phone: (203) 432-9384 Attn: JoAnn Farrell

Generator's Site Address (if different than mailing address)
Yale University - 350 Edwards Street
350 Edwards Street
New Haven, CT 06520

6. Transporter 1 Company Name
Triumvirate Environmental, Inc.
U.S. EPA ID Number: MAD985286988

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Pollution Control Industries
4343 Kennedy Avenue
East Chicago, IN 46312
Facility's Phone: (800) 388-7242
U.S. EPA ID Number: IND000646943

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Non-regulated material (poly sheeting)	002	DM	00175	P	CR05		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1 - (2 x 55) TEI16912 2- 3- 4-
C#163718

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Robert Marques
Signature: Robert Marques
Month 09 Day 01 Year 09

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Kevin Carlow
Signature:
Month 09 Day 01 Year 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. NA 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Kissy Bittenhausen
Signature:
Month 09 Day 09 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)